

A1-F18AC-460-310

1 July 2000

TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

FUEL SYSTEM

NAVY MODEL
F/A-18A and F/A-18B
161353 AND UP

N00421-98-D-1339

**This manual supersedes A1-F18AC-460-310, dated 1 April 1988,
including Change 7 dated 1 January 1996.**

This volume is one of four volumes and is incomplete without A1-F18AC-460-300, A1-F18AC-460-320 and A1-F18AC-460-330. This volume contains WP022 00 through WP044 00.

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NATEC ELECTRONIC MANUAL

NUMERICAL INDEX OF EFFECTIVE WORK PACKAGES/PAGES

List of Current Changes

Original 0 1.Jul 2000

Only those work packages/pages assigned to the manual are listed in this index. Insert Change _____, dated _____. Dispose of superseded and deleted work packages/pages. Superseded and deleted classified work packages/pages shall be destroyed in accordance with applicable regulations. If changed pages are issued to a work package, insert the changed pages in the applicable work package. The portion of text affected in a changed or revised work package is indicated by change bars or the change symbol "R" in the outer margin of each column of text. Changes to illustrations are indicated by pointing hands or change bars, as applicable.

WP Number	Title	WP Number	Title
Title		024 05	Repair - No. 3 Fuel Tank Inverted Flight Baffle
Page A	Numerical Index of Effective Work Packages/Pages		Assembly (5CAP517), Effectivity: 161716 and up; also
TPDR-1	List of Technical Publication Deficiency Reports		161353 thru 161715 after F/A-18 AFC 18 and F/A-18
	Incorporated		AFC 53
HMWS-1	Warnings Applicable to Hazardous Materials	024 06	IPB - No. 3 Fuel Tank (5CAP510), Effectivity: 161353
022 00	Removal - No. 3 Fuel Tank (5CAP510)		thru 161715 after F/A-18 AFC 18 and F/A-18 AFC 53
022 01	Removal - No. 3 Fuel Tank (5CAP510), Effectivity:	025 00	No. 3 Fuel Tank Inspection and Folding
	161353 thru 161715 before F/A-18 AFC 18 and F/A-18	025 01	No. 3 Fuel Tank Cavity Foam Filter
	AFC 53	026 00	Removal - No. 4 Fuel Tank (5CAP520)
022 02	Removal - No. 3 Fuel Tank (5CAP510), Effectivity:	027 00	Installation - No. 4 Fuel Tank (5CAP520)
	161716 and up	028 00	IPB - No. 4 Fuel Tank (5CAP520)
022 03	Removal - No. 3 Fuel Tank (5CAP510), Effectivity:	029 00	No. 4 Fuel Tank Inspection and Folding
	161353 thru 161715 after F/A-18	029 01	No. 4 Fuel Tank Cavity Foam Filler
	AFC 18 and F/A-18 AFC 53	030 00	No. 4 Fuel Tank Lacing
023 00	Installation - No. 3 Fuel Tank (5CAP510)	031 00	Removal - Vent Tank (5CAS592)
023 01	Installation - No. 3 Fuel Tank (5CAP510), Effectivity:	032 00	Installation - Vent Tank (5CAS592)
	161353 thru 161715 before F/A	033 00	IPB - Vent Tank (5CAS592)
	18 AFC 18 and F/A-18 AFC 53	034 00	Vent Tank Inspection and Folding
023 02	Installation - No. 3 Fuel Tank (5CAP510), Effectivity:	034 01	Vent Tank Cavity Foam Filler
	161716 AND UP	035 00	Fuel Tank Access Fitting Floating Nut Repair
023 03	Installation - No. 3 Fuel Tank (5CAP510), Effectivity:	035 01	No. 2 and No. 3 Fuel Tank Backing Boards
	161353 thru 161715 after F/A-18	035 02	Fuel Tank Access Fitting Dome Nut Replacement
	AFC 18 and F/A-18 AFC 53	036 00	Fuel Tank Fitting Repair
024 00	IPB - No. 3 Fuel Tank (5CAP510)	036 01	Fuel Tank Cavity Thermal Blankets
024 01	IPB - No. 3 Fuel Tank (5CAP510), Effectivity: 16153	037 00	Reserved
	thru 161715 before F/A-18 AFC	038 00	Fuel Tank Cavity Repair
	18 and F/A-18 AFC 5	038 01	Repair - Bulkhead Connector Retainers
024 02	IPB - No. 3 Fuel Tank (5CAP510), Effectivity: 161716	039 00	Fuel Tank Cavity Preparation
	and up	040 00	No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports
024 03	Repair - No. 3 Fuel Tank Inverted Flight Baffle	041 00	No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports
	Assembly (5CAP517)	042 00	No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports
024 04	Repair - No. 3 Fuel Tank Inverted Flight Baffle	043 00	No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports
	Assembly (5CAP517), Effectivity: 161353 thru 161715	044 00	Vent Tank Cavity Bulkhead Fittings and Supports
	before F/A-18 AFC 18 and F/A-18 AFC 53		

Total number of pages in this manual is 1204, consisting of the following:

WP/Page Number	Change Number	WP/Page Number	Change Number	WP/Page Number	Change Number	WP/Page Number	Change Number
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C Blank	0	1	0	36 Blank	0	50 Blank	0
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TPDR-2 Blank	0						

NUMERICAL INDEX OF EFFECTIVE WORK PACKAGES/PAGES (Cont)

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48 Blank0		024 05		30 Blank0		037 00 Reserved0	
023 00		1 - 380		031 00		038 00	
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2 Blank0		82 Blank0		1 - 100		042 00	
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10		029 01		036 00		044 00	
2 Blank0		1 - 640		1 - 180		1 - 80	

LIST OF TECHNICAL PUBLICATION DEFICIENCY REPORTS INCORPORATED
ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
FUEL SYSTEM

1. The TPDRs listed below have been incorporated in this issue.













IDENTIFICATION NUMBER/ QA SEQUENCE NUMBER	LOCATION
39783-99-0045	WP023 02, pg 30
39783-99-0046	WP023 02, pg 33, Para c

WARNINGS APPLICABLE TO HAZARDOUS MATERIALS

Warnings for hazardous materials listed in this manual are designed to warn personnel of hazards associated with such items when they come in contact with them by actual use. Additional information related to hazardous materials is provided in OPNAVINST 5100.23, Navy Occupational Safety and Health (NAVOSH) Program Manual, NAVSUPINST 5100.27, Navy Hazardous Material Control Program, and the DOD 6050.5, Hazardous Materials Information System (HMIS) series publications. For each hazardous material used within the Navy, a material safety data sheet (MSDS) is required to be provided and available for review by users. Consult your local safety and health staff concerning any questions on hazardous chemicals, MSDS'S, personal protective equipment requirements and appropriate handling and emergency procedures and disposal guidance.

Complete warnings for hazardous materials referenced in this manual are identified by use of an icon, nomenclature and specification or part number of the material, and a numeric identifier. The numeric identifiers have been assigned to the hazardous materials in the order of their appearance in the manual. Each hazardous material is assigned only one numeric identifier. Repeated use of a specific hazardous material references the numeric identifier assigned at its initial appearance. The approved icons and their applications are shown in figure 1.

In the text of the manual, the caption “warning” will not be used for hazardous materials. Such warnings will be identified by an icon and numeric identifier. The material nomenclature will also be provided. The user is directed to refer to the corresponding numeric identifier listed in this WP under the heading HAZARDOUS MATERIALS WARNINGS for the complete warning applicable to the hazardous material.

Biohazard		Fire	
Breathing Hazard		Highly Toxic	
Corrosive (Caustic or Acidic)		Ingestion Hazard	
Cryogenic		Oxidizer	
Explosive		Radiation	
Eye Protection		Skin Hazard	

EXPLANATION OF HAZARDOUS SYMBOLS



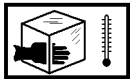
The abstract symbol shows a material that may contain bacteria or viruses that present a health hazard.



The symbol of a human figure in a cloud shows that breathing this material can present a health hazard.



The symbol of drops of a liquid burning a hand shows a material that causes burns to human skin or tissue.



The symbol of a hand in a block of ice shows a material is so cold it will burn your skin on contact.



The rapidly expanding symbol shows that the material may explode if subjected to high temperature, sources of ignition, or high pressure.



The symbol of a person wearing goggles shows a material that can injure your eyes.



The symbol of a fire shows that a material can ignite and burn you.



The symbol of a skull and crossbones shows a material that is highly toxic and can be a danger to life and health.



The symbol of a liquid entering the mouth shows that eating or drinking this material can cause a health hazard.



The symbol of an “O” with a flame shows a material that will promote fire and cannot be stored near flammable or organic materials.
















The symbol of three circular wedges shows that the material emits radioactive energy and can injure human tissue or organs.




















The hand symbol shows a material that can irritate the skin or enter the body through the skin and cause a health hazard.

HAZARDOUS MATERIALS WARNINGS

Index	Material	Warning
1	Petrolatum, Technical, VV-P-236	Petrolatum, VV-P-236, is an eye irritant and upon exposure may cause skin irritation. May cause stomach/intestinal irritation upon ingestion. Avoid extreme heat and strong oxidizing agents. Protection: neoprene gloves and chemical goggles.
	 	
2	Isopropyl Alcohol, TT-I-735	Isopropyl alcohol, TT-I-735, is flammable – do not use near open flames, near welding areas, or on hot surfaces. Do not smoke when using it and do not use it where others are smoking. Inhalation of vapors can cause drowsiness, dizziness, and headache. Contact of liquid with skin may cause dermatitis and irritation. If any liquid contacts skin or eyes, immediately flush affected area thoroughly with water. Remove solvent-saturated clothing. If vapors cause drowsiness, go to fresh air. When handling large quantities greater than one gallon, work at air-exhausted workbench or covered tank. Store solvent and dispose of liquid-soaked clothes in approved metal safety container. Metal containers of liquid must be grounded to maintain electrical continuity.
	   	
3	Sealing Compound, MIL-S-8802, TY2CLA-1/2	Sealing Compound, MIL-S-8802, Type 2, Class A-1/2 is toxic. Prolonged breathing of vapors from organic solvents or materials containing organic solvents is dangerous. Rubber gloves shall be used. Wash hands thoroughly with soap and water before eating, drinking, or smoking. Contains chromates; follow approved toxic waste disposal procedures.
	  	
4	Adhesive, EC847	Adhesive, EC847, weather-coating contains organic solvent and is flammable – do not use near open flames, welding areas or on hot surfaces. Do not smoke when using or where others are smoking. Prolonged breathing of vapors is dangerous. Use in well ventilated spaces. Use respirator in confined areas. Avoid skin contact. Prolonged or repeated skin contact can have a toxic effect on affected skin area.
	   	












HAZARDOUS MATERIALS WARNINGS (Cont)

Index	Material	Warning
5	Primer, Sealing Compound, MIL-S-22473, Grade N, Form R	Sealing compound primer, MIL-S-22473, Grade N, Form R, is combustible – do not use near open flames, near welding areas or on hot surfaces. Prolonged or repeated contact with liquid can cause dermatitis and irritation of skin. Repeated inhalation of vapor can cause liver and kidney damage. If any liquid contacts skin or eyes, immediately flush affected area thoroughly with water. Remove solvent-saturated clothing. If vapors cause irritation, go to fresh air. When handling liquid at air-exhausted workbench, wear approved gloves and wear goggles or face shield. When handling liquid at unexhausted workbench, wear approved respirator and gloves, and wear goggles or face shield. Dispose of liquid-soaked rags in approved metal container.
	   	
6	Sealing Compound, MIL-R-46082, Type 3	Sealing compound, MIL-R-46082, Type 3, is a skin and eye irritant. Avoid prolonged or repeated skin contact. Avoid eye contact. Avoid prolonged breathing of vapors; use with adequate ventilation. Protection: rubber gloves, chemical goggles and protective skin compound; respirator with organic vapor cartridge required in poorly ventilated areas.
	  	
7	Polyurethane Coating Color 36231, 822X326	Polyurethane Coatings are combustible. Keep away from heat and ignition sources. When handling wear approved eye protection, gloves and respirator. Do not ingest. If ingested seek medical aid. Provide ventilation sufficient to prevent airborne concentrations of solvent vapor or mist buildup.
	    	
8	Corrosion Resistant, KIT14-2	Corrosion Resistant, KIT14-2, will cause serious injury if not handled properly. Wear rubber gloves, rubber apron and protective face shield. If material contacts the skin or eyes, flush the area immediately with water and report to medical facility.
	 	
9	Polishing Compound, 6B602	Polishing Compound, 6B602 is a health hazard. Use a dust mask or OSHA approved respirator w/dust filter when compound requires rubbing, grinding or machine polishing. Provide local or general exhaust. When handling wear approved gloves and safety glasses with sideshields.
	  	

HAZARDOUS MATERIALS WARNINGS (Cont)

Index	Material	Warning
10	Adhesive, MIL-A-46106, Type 1	Vapor released during curing of adhesive, MIL-A-46106, Type 1, is combustible. Do not use near open flames, near welding areas or on hot surfaces. Vapor is corrosive. Contact of vapor with skin or eyes will cause burns. Inhalation of vapor may cause severe nose and throat irritation. Repeated inhalation may result in chronic bronchitis. If any vapor contacts skin or eyes, immediately flush affected area thoroughly with water. If vapors causes irritation, go to fresh air. Get medical attention. When mixing uncured adhesive and during curing of adhesive, wear approved respirator, gloves and goggles or face shield.
11	Sealing Compound, PR 1422A-1/2	Sealing Compound is toxic and can cause skin and eye irritation. Avoid skin and eye contact. Wear gloves, apron, and chemical resistant goggles or faceshield. Do not inhale vapors. Use only in a well ventilated area. Had washing and eye wash fountain are required. In case of contact, immediately flush skin or eyes with water. Get medical attention for eyes. Do not take internally.
12	Converter, 910X357	Converter is flammable and is a breathing hazard. Keep container tightly closed. Isolate from heat, electrical equipment, sparks and flame. Do not store above 120°F (49°C). Use with adequate ventilation. May cause eye and respiratory irritation. When handling wear chemically resistant gloves, approved chemical workers goggles and avoid skin contact by the use of additional protective clothing.
13	Primer, Epoxy 519X303	Epoxy primer is flammable and is a breathing hazard. May cause allergic skin reaction. May cause eye and respiratory irritation. Keep away from heat, sparks and flame. Keep container closed. Avoid breathing dust (vapor, mist, gas) and use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing.

HAZARDOUS MATERIALS WARNINGS (Cont)

Index	Material	Warning
14	Thinner, Epoxy Primer, 020X324	Epoxy primer is flammable and is a breathing hazard. May cause allergic skin reaction. May cause eye and respiratory irritation. Keep away from heat, sparks and flame. Keep container closed. Avoid breathing dust (vapor, mist, gas) and use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing.
	   	
15	Corrosion Prevention Compound, MIL-C-85054, Type 1	Corrosion preventive compound, MIL-C-85054, is flammable – keep it away from heat, sparks and open flames. Do not smoke when using it. Use in a well ventilated area. Inhalation of vapors is harmful. Wear rubber gloves, chemical goggles (or face shield), and protective neoprene apron. If splashed on clothing or in eyes, remove clothing immediately and flush skin/eyes with clear water for 15 minutes. If vapors cause light-headedness, go to fresh air. If liquid is swallowed, do not try to vomit. Get prompt medical attention. Keep away from spillage. Use absorbent to soak up spilled solution. Dispose of absorbent in accordance with local, state, and federal regulations. Keep solution away from oxygen and strong oxidants. Store in approved metal safety container. Keep containers closed when not in use.
	   	
16	Sealing Compound, MIL-S-81733, TY4-12	Sealant, MIL-S-81733, TY4-12, is toxic. Prolonged breathing of vapors from organic solvents, or materials containing organic solvents, is dangerous. Rubber gloves shall be used. Wash hands thoroughly with soap and water before eating, drinking or smoking. Contains chromates; follow approved toxic waste disposal procedures.
	  	

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 3 FUEL TANK (5CAP510)

FUEL STORAGE SYSTEM

Title	WP Number
Removal - No. 3 Fuel Tank - 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	022 01
Removal - No. 3 Fuel Tank - 161716 AND UP	022 02
Removal - No. 3 Fuel Tank - 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	022 03

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
REMOVAL - NO. 3 FUEL TANK (5CAP510)
FUEL STORAGE SYSTEM
EFFECTIVITY: 161353 THRU 161715
BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB - No. 3 Fuel Tank	WP024 01
Repair - No. 3 Fuel Tank Inverted Flight Baffle	WP024 04
No. 3 Fuel Tank Inspection and Folding	WP025 00
No. 3 Fuel Tank Cavity Foam Filler	WP025 01
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Thermal Blankets	WP036 01
Fuel Tank Cavity Repair	WP038 00
Fuel Tank Cavity Preparation	WP039 00
No. 2 and No. 3 Fuel Tank Backing Boards	WP035 01
No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports	WP042 00

Alphabetical Index

Subject	Page No.
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Materials Required	2
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 8	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or
Type Designation

Nomenclature

6230-00-270-5419

Electric General
Purpose Explosion
Proof Lantern74D460019-1001 and
74D460029-1001Fuel Cell
Removal/Installation
Tool Set

74D460102-1001

Fuel Tank Bulkhead
Nuts Adapter Set

152016-1

Fuel Tank Bulkhead
Adapter (Retainer)
Socket Wrench Set

For baffle repair, see no. 3 fuel tank inverted flight baffle repair (WP024 04).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in a cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

c. Tag assembly with index number that has been circled on artwork of procedure.

d. Keep parts grouped in containers after removal.

e. Do general preparation for removal (WP013 00).

Materials Required

Specification
or Part Number

Nomenclature

474
(CAGE 26066)Tape, Pressure
SensitiveMIL-B-131,
Class 1
(CAGE 81349)Barrier Material
(Heavy Paper or
Canvas)MIL-T-43435 TYPE-
2SIZE-3FINISH-C
(CAGE 81349)

Lacing Tape

WARNING

To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

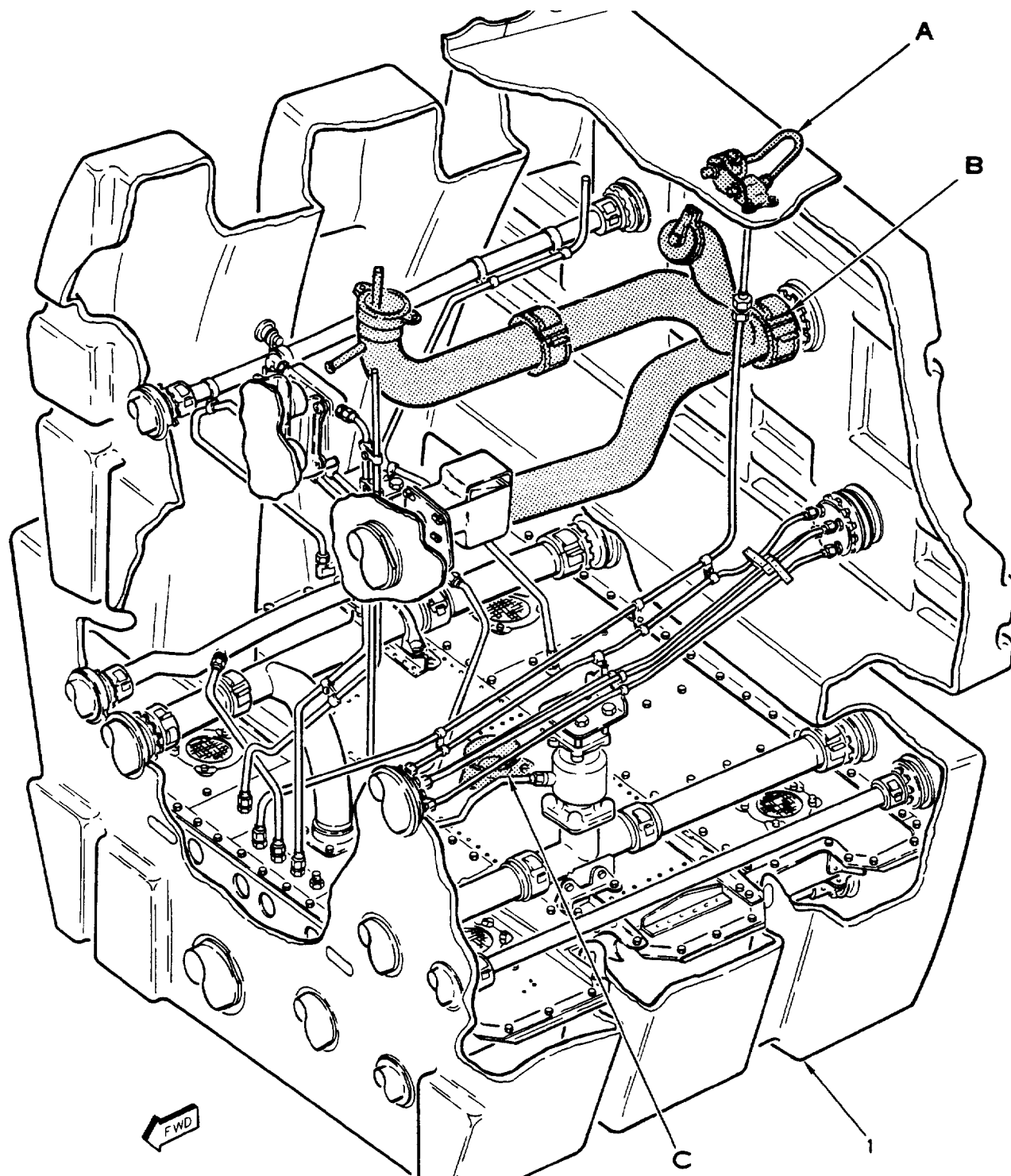
1. **GENERAL.****NOTE**

For complete parts list, see no. 3 fuel tank parts list (WP024 01).

f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.

2. REMOVAL.

3. SEQUENCE 1.



- a. Disconnect connector (2).
- b. Remove coupling (6) and disconnect adapter (7) at elbow (8).

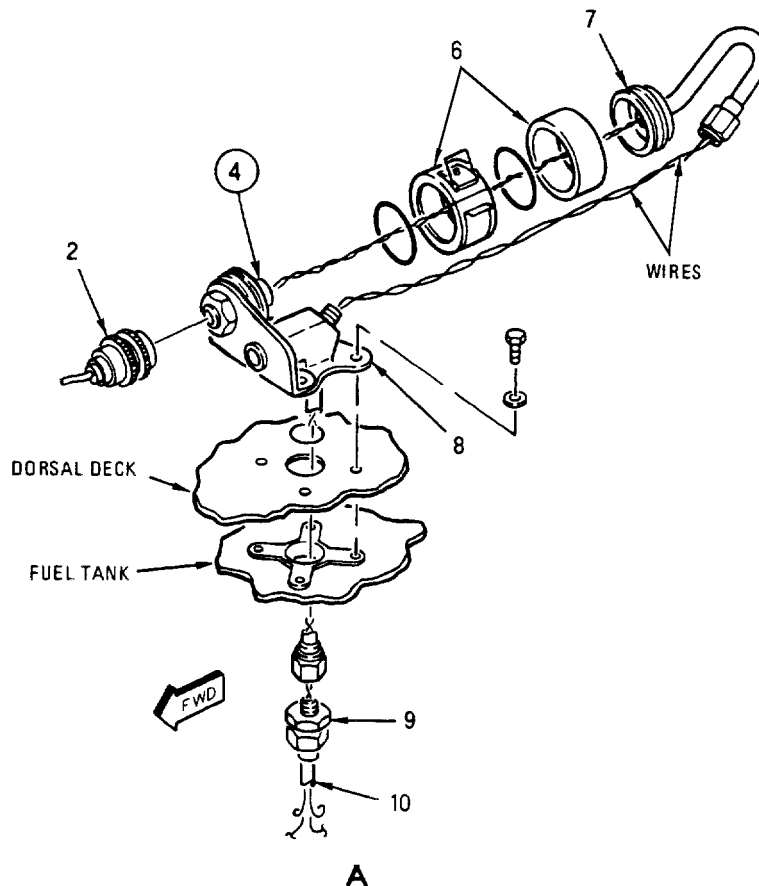


To prevent damage to wires, carefully pull wires through adapter components and parts.

- c. Disconnect wires from connector (4) and carefully pull wires through adapter (7).

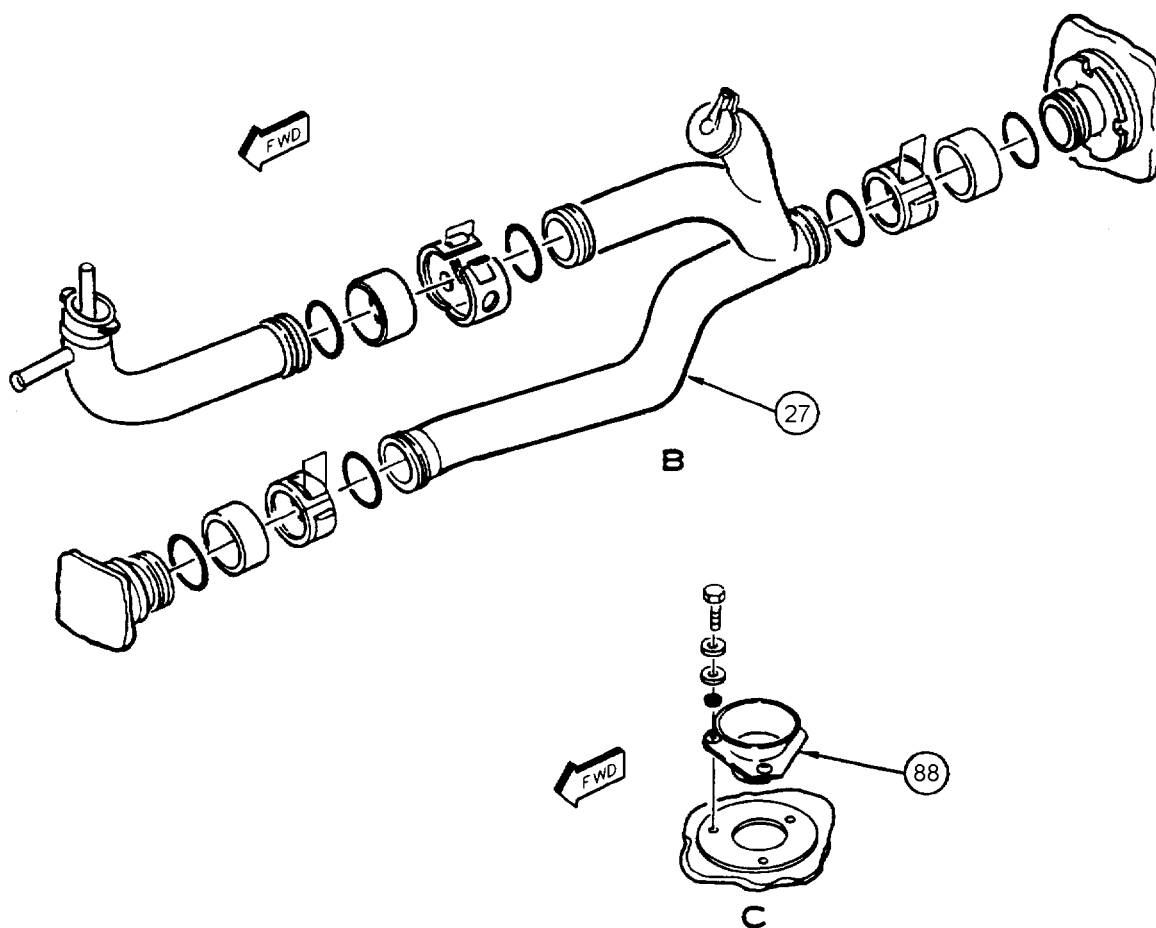
- d. Disconnect elbow (8) from nipple (9).

- e. Carefully pull wires through elbow (8) and remove elbow (8).

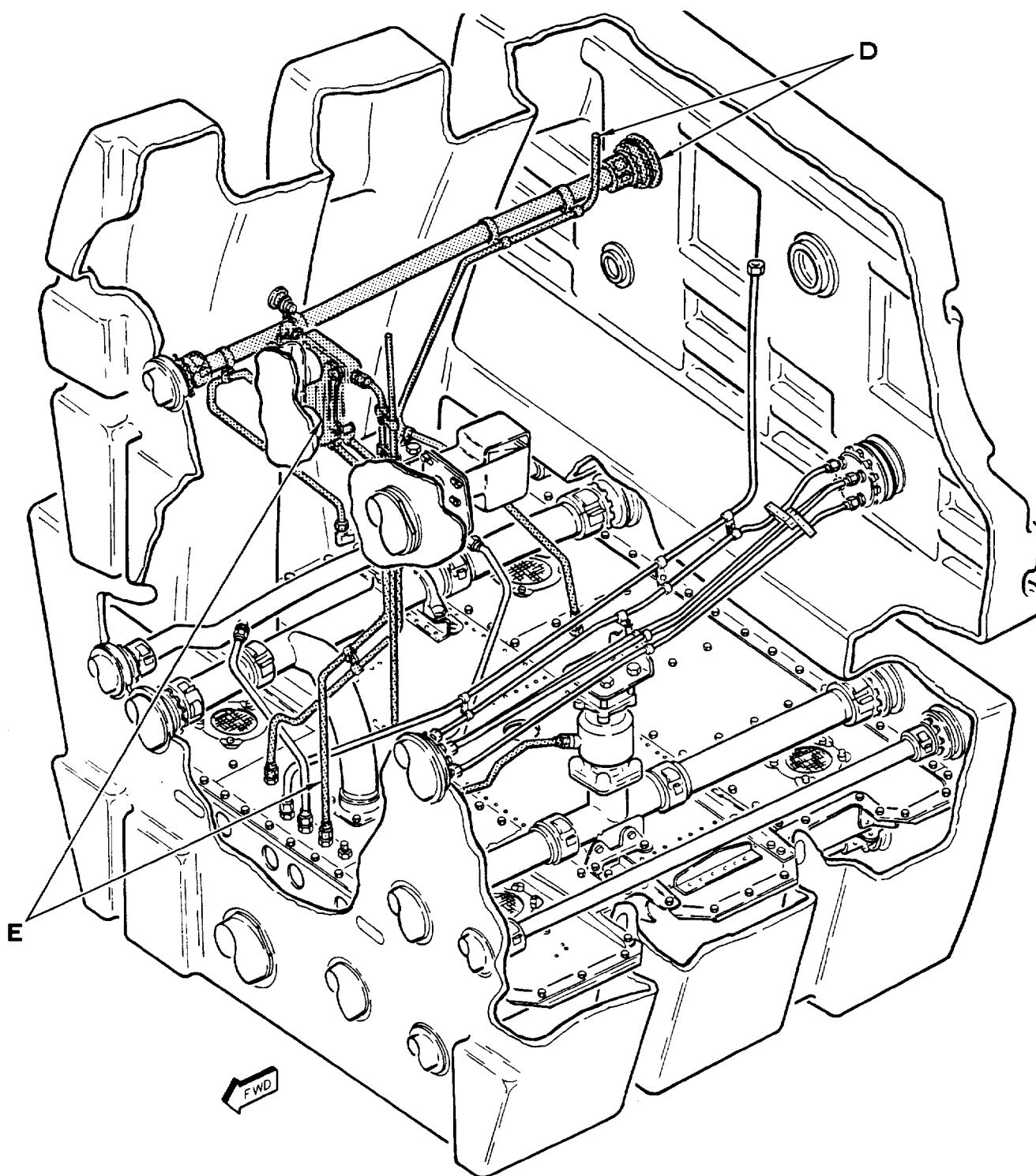


f. Remove vent assembly (27) and related parts.

g. Remove guide (88) and related parts.

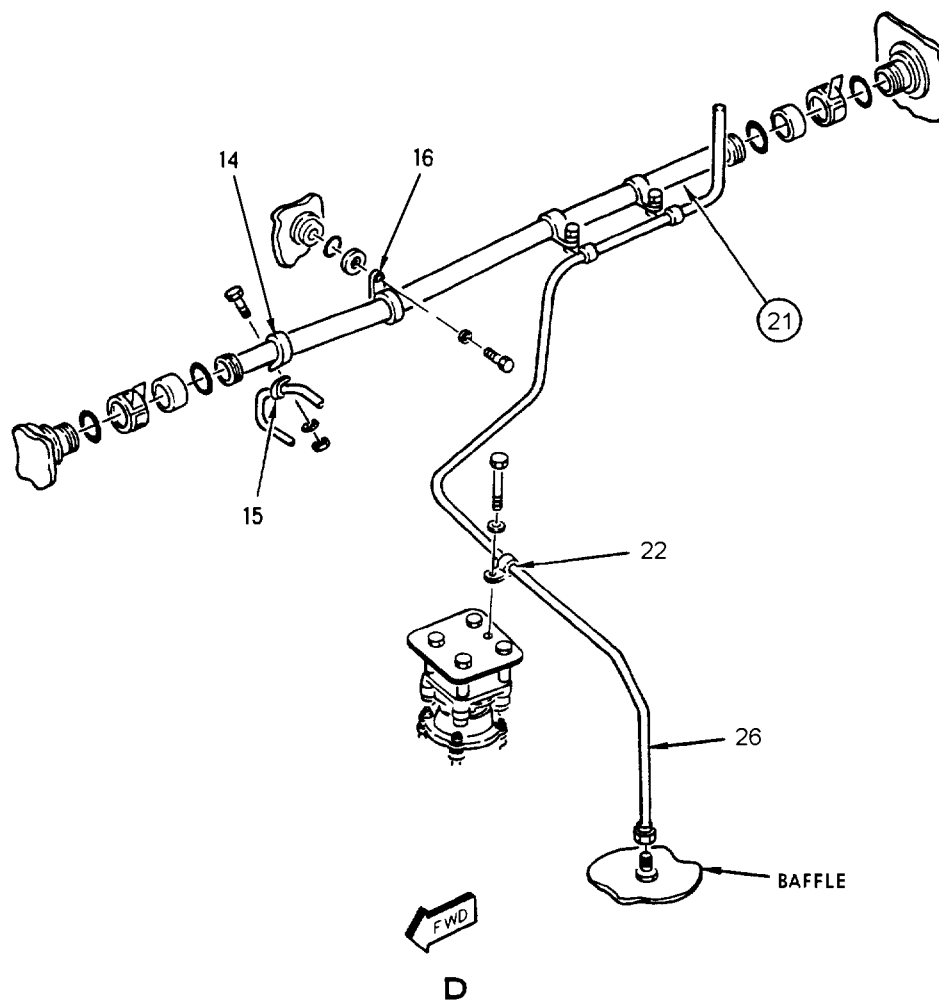


4. SEQUENCE 2.



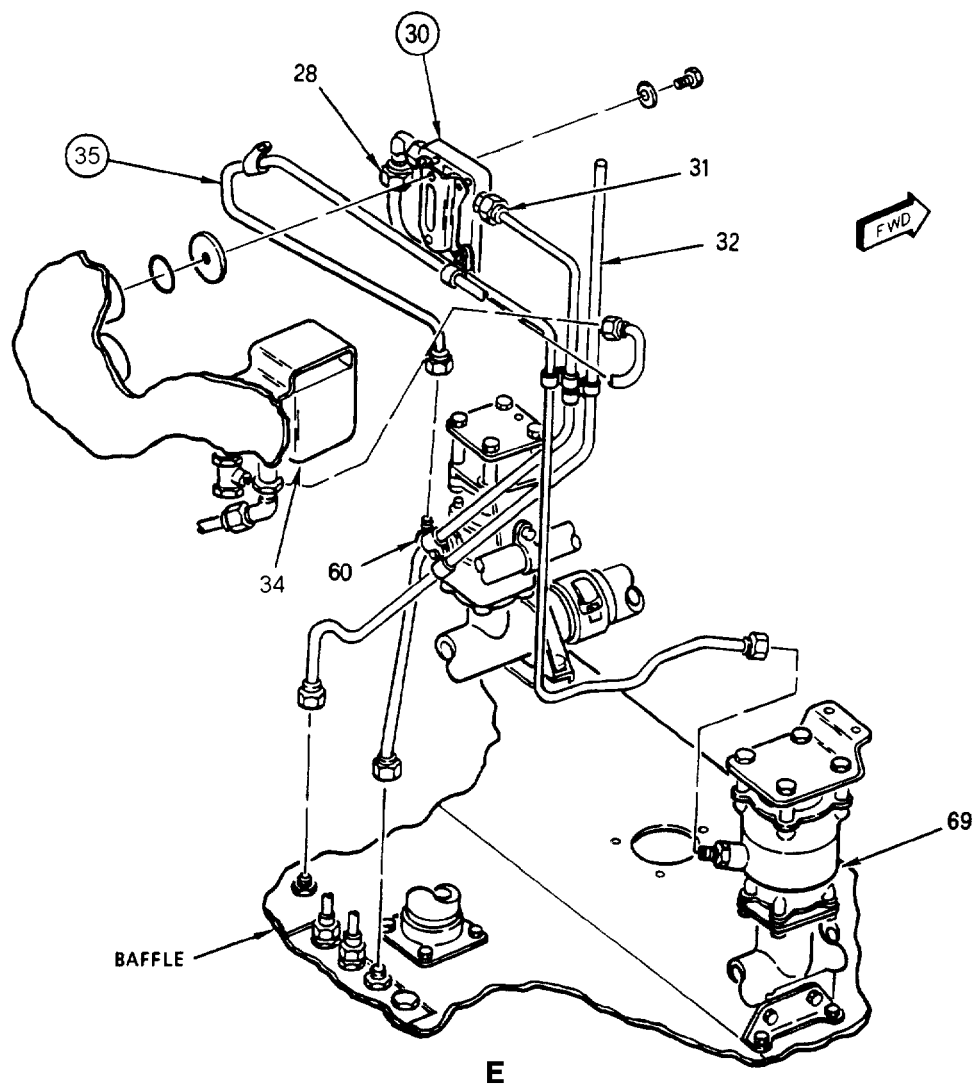
a. Disconnect clamp (22) and remove clamps (14, 15, and 16) with attaching parts.

b. Remove tubes (21 and 26) and related parts.

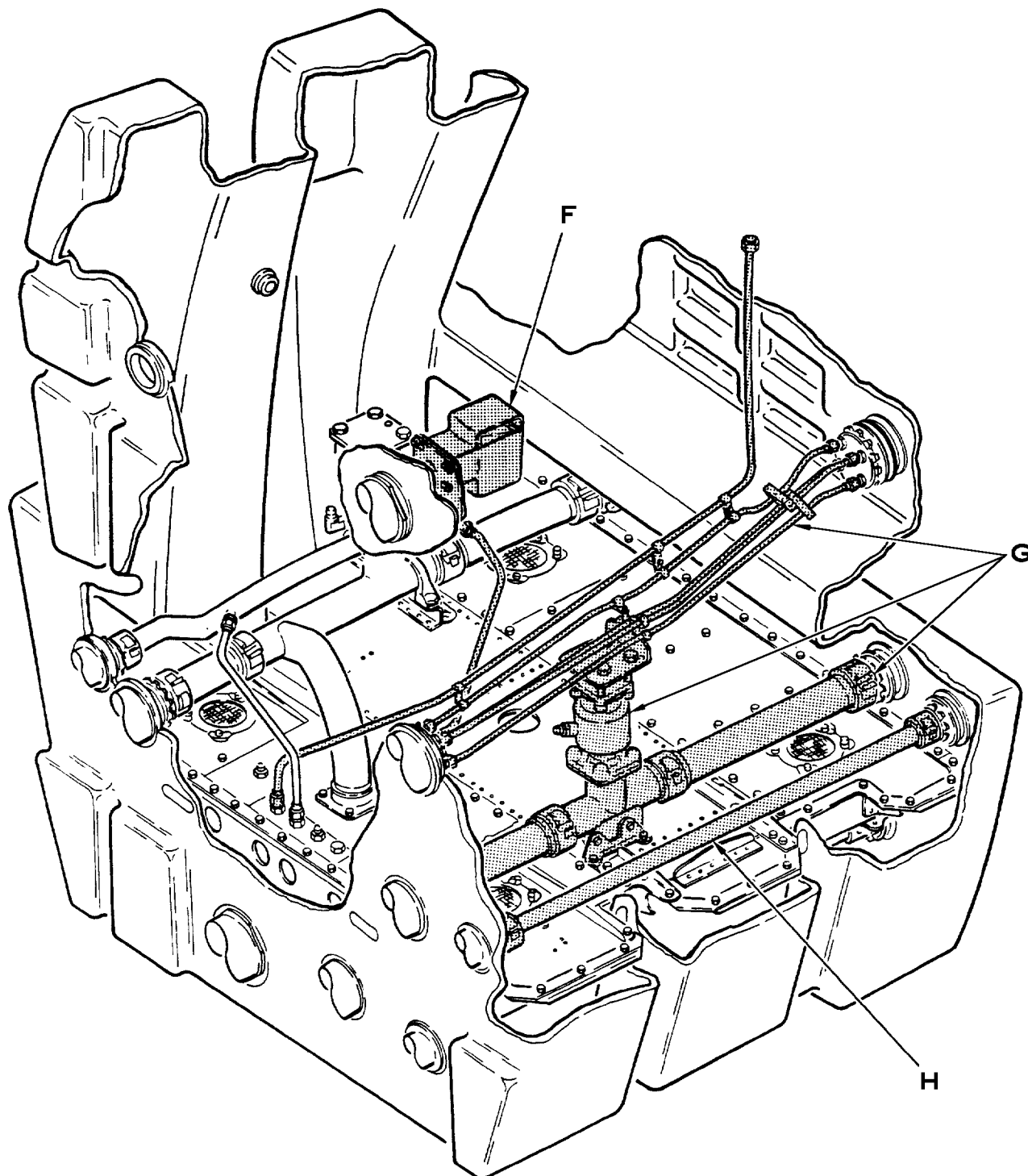


c. Disconnect tubes (28, 31 and 32) from baffle and valve (69), then remove with sensor (30).

d. Disconnect tube (35) from elbow (60) and valve (34).



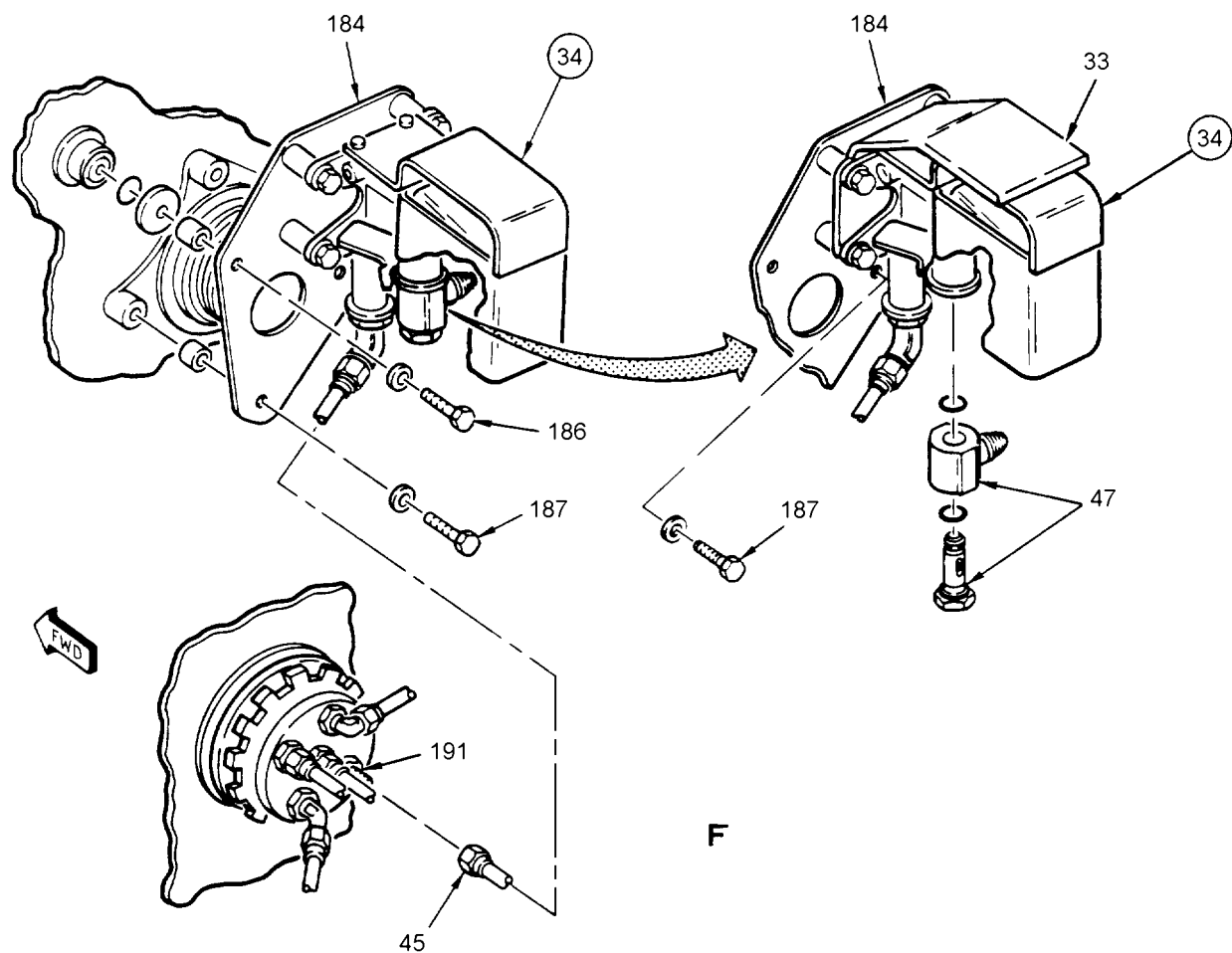
5. SEQUENCE 3.



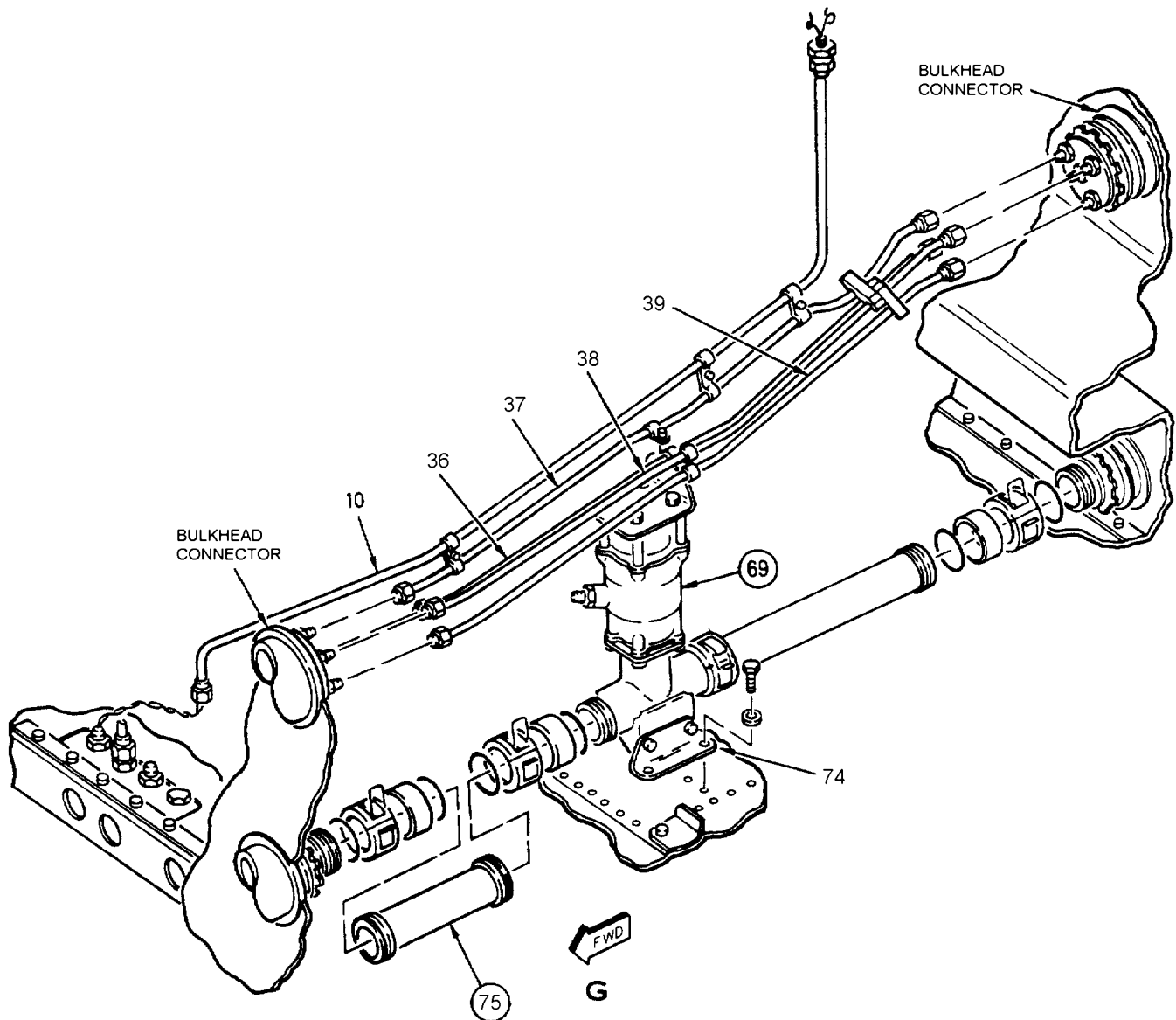
a. Disconnect tube (45) from union (191).

b. Remove connector (47).

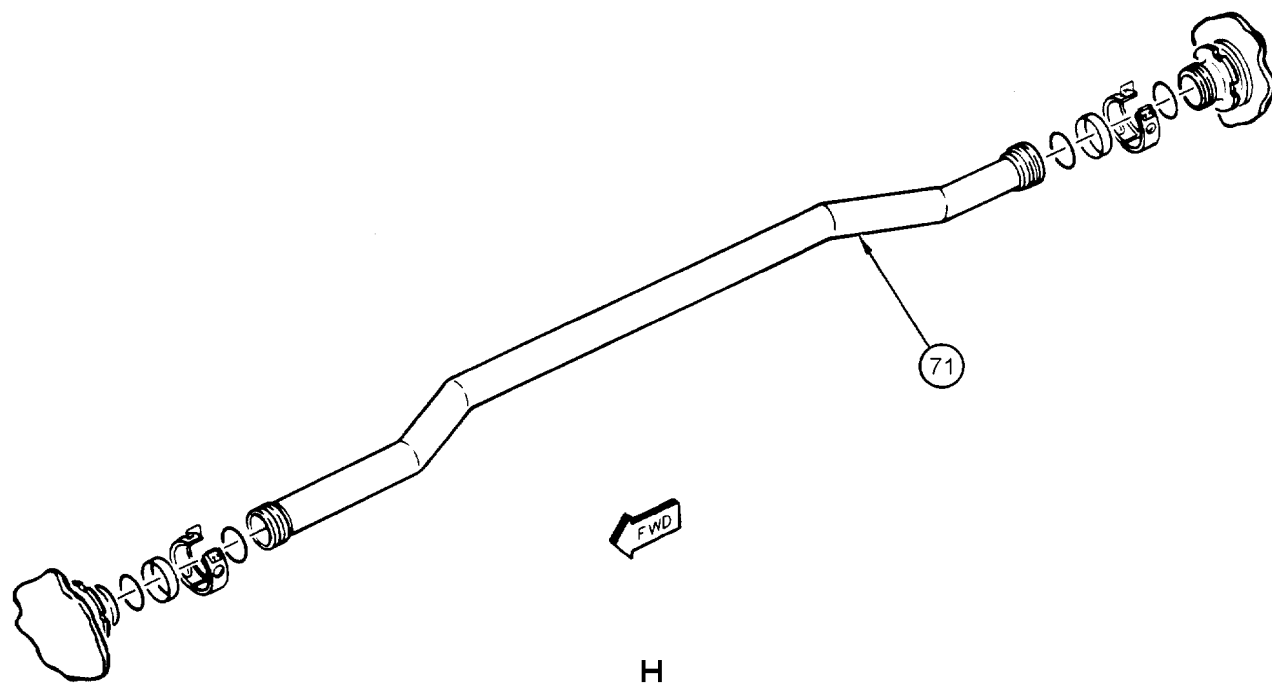
c. Remove bracket (184) with valve (34), bolts (186 and 187) and related parts.



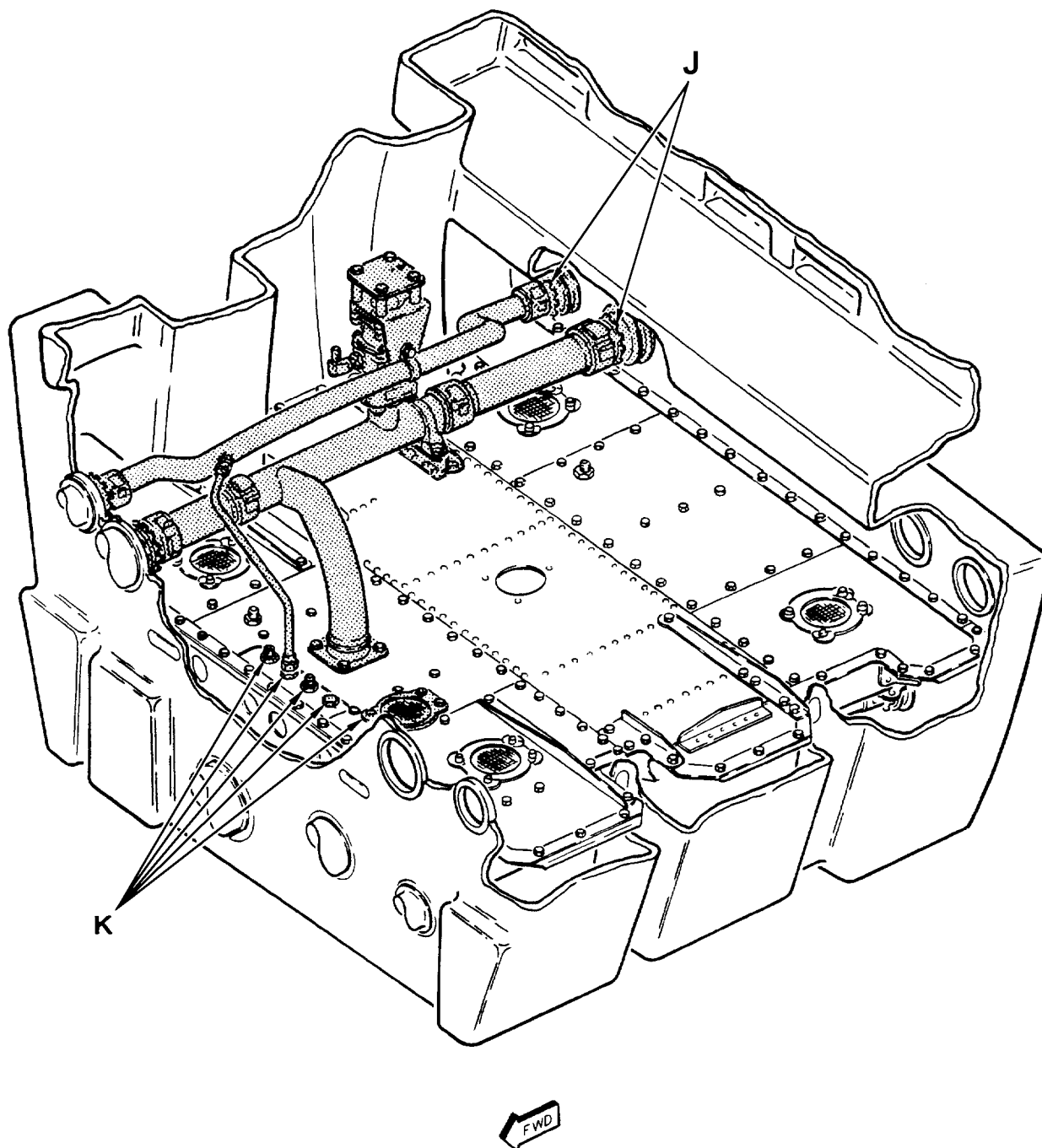
- d. Remove tube (75) and related parts.
- e. Disconnect tubes (36, 37, 38 and 39) from bulkhead connectors.
- f. Disconnect tube (10) from baffle.
- g. Tie a 6 foot length of string to wires and carefully pull wires through tube (10). Untie string and secure to tube (10).
- h. Remove attaching parts from angle (74) and remove tubes (10, 36, 37, 38 and 39) and valve (69) together.



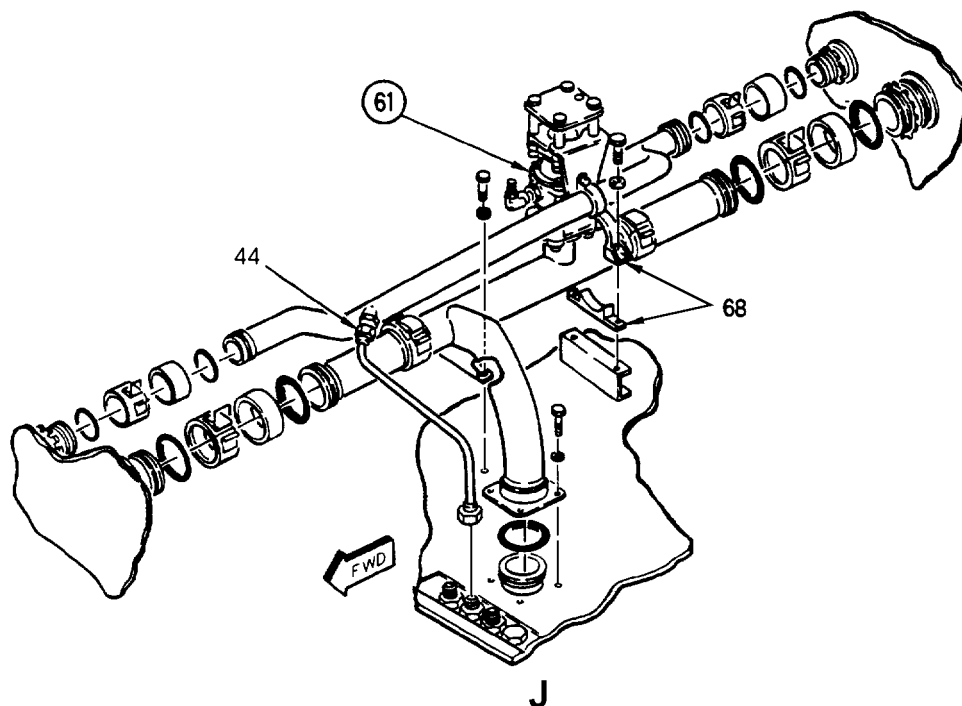
- i. Remove tube (71) and related parts.



6. SEQUENCE 4.

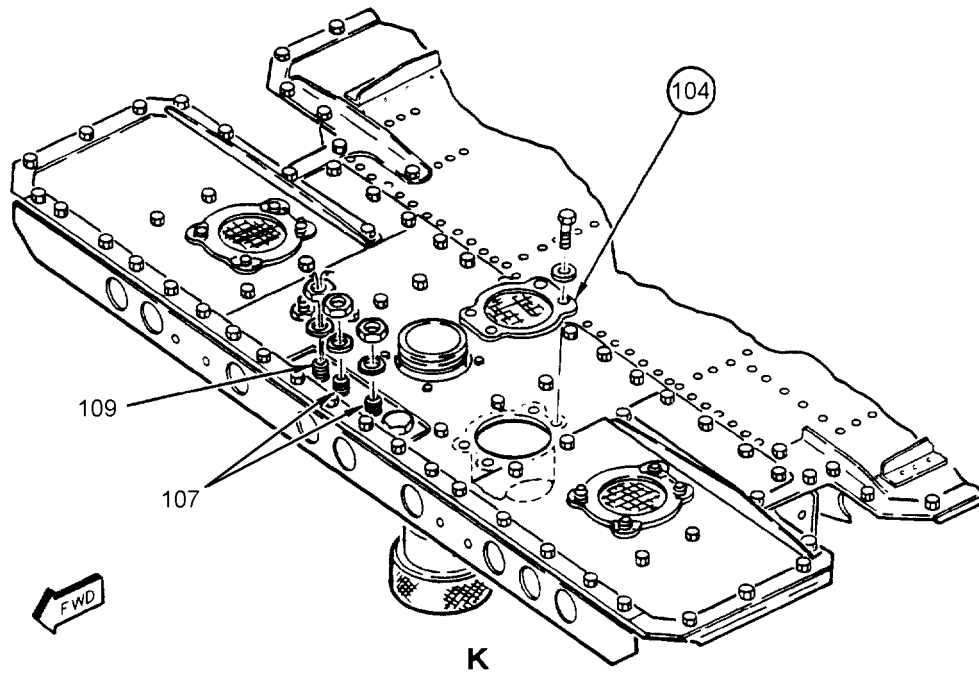


- a. Remove clamp (68) and attaching parts.
- b. Disconnect tube (44) and remove valve (61) and related parts.

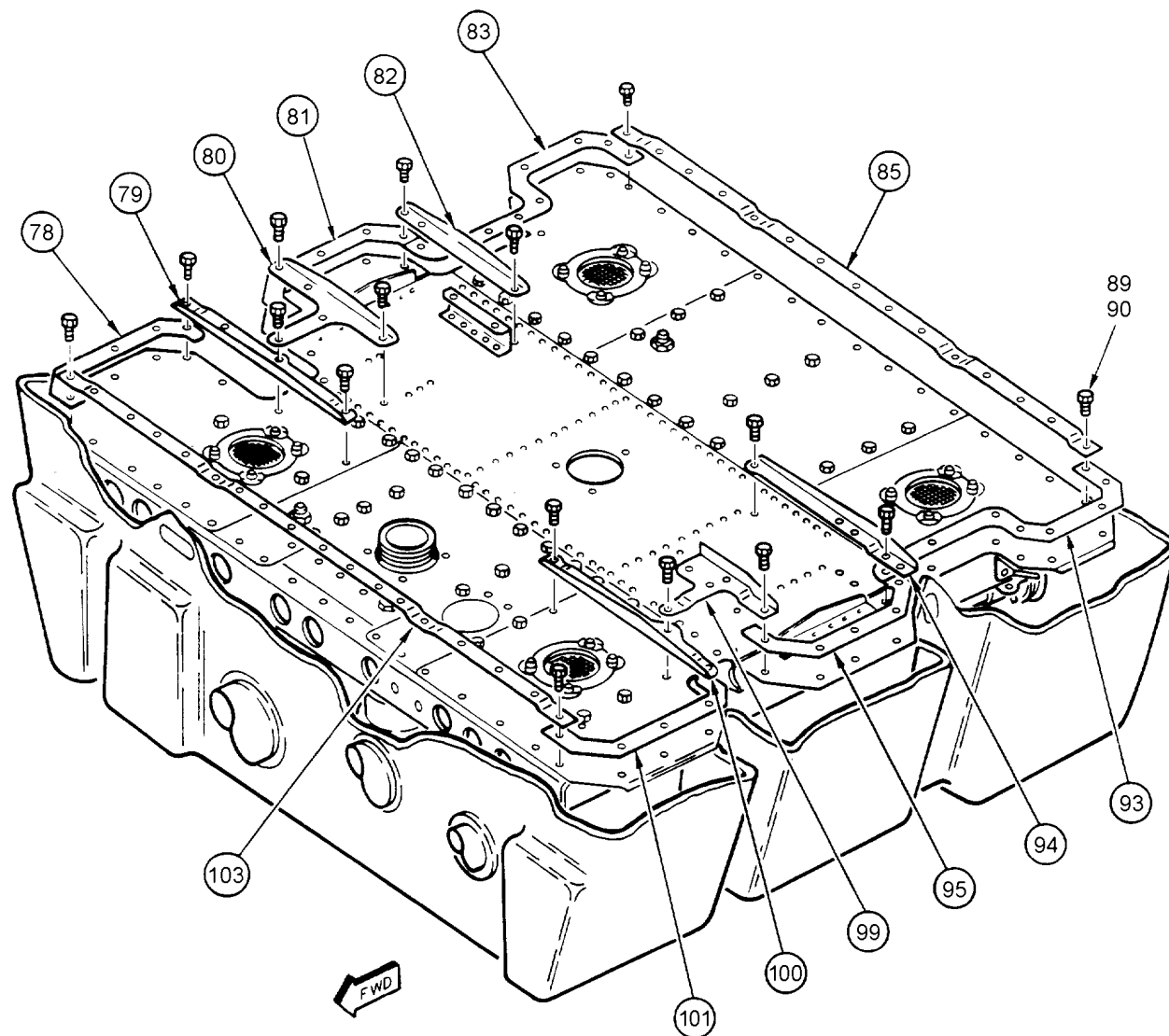


c. Remove attaching parts to elbows (107) and nipple (109).

d. Remove screen (104) and attaching parts.



e. Remove retainers (78, 79, 80, 81, 82, 83, 85, 93, 94, 95, 99, 100, 101 and 103), bolts (89 or 90) and attaching parts.



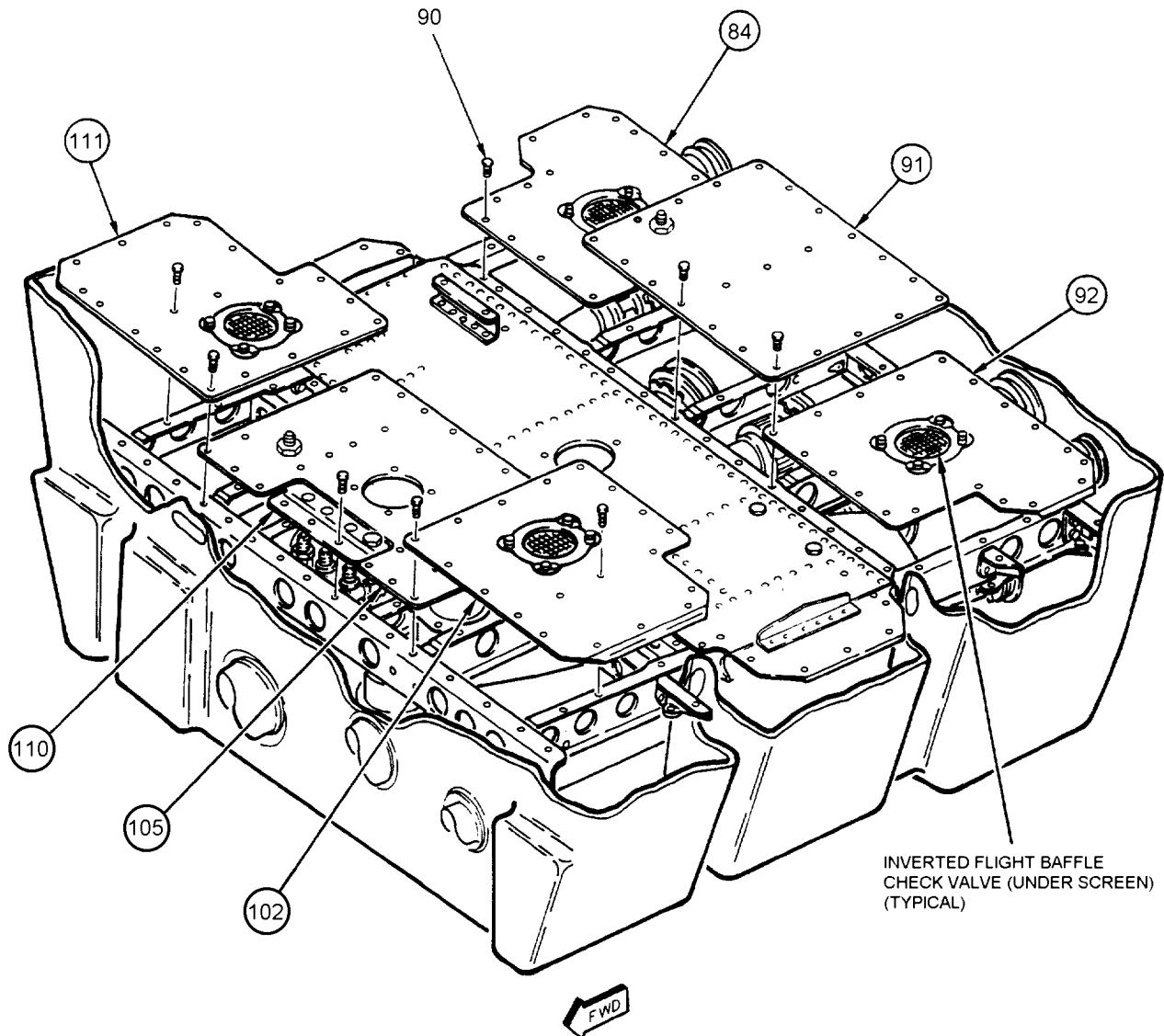
CAUTION

Remove web carefully to avoid damaging tank or components.

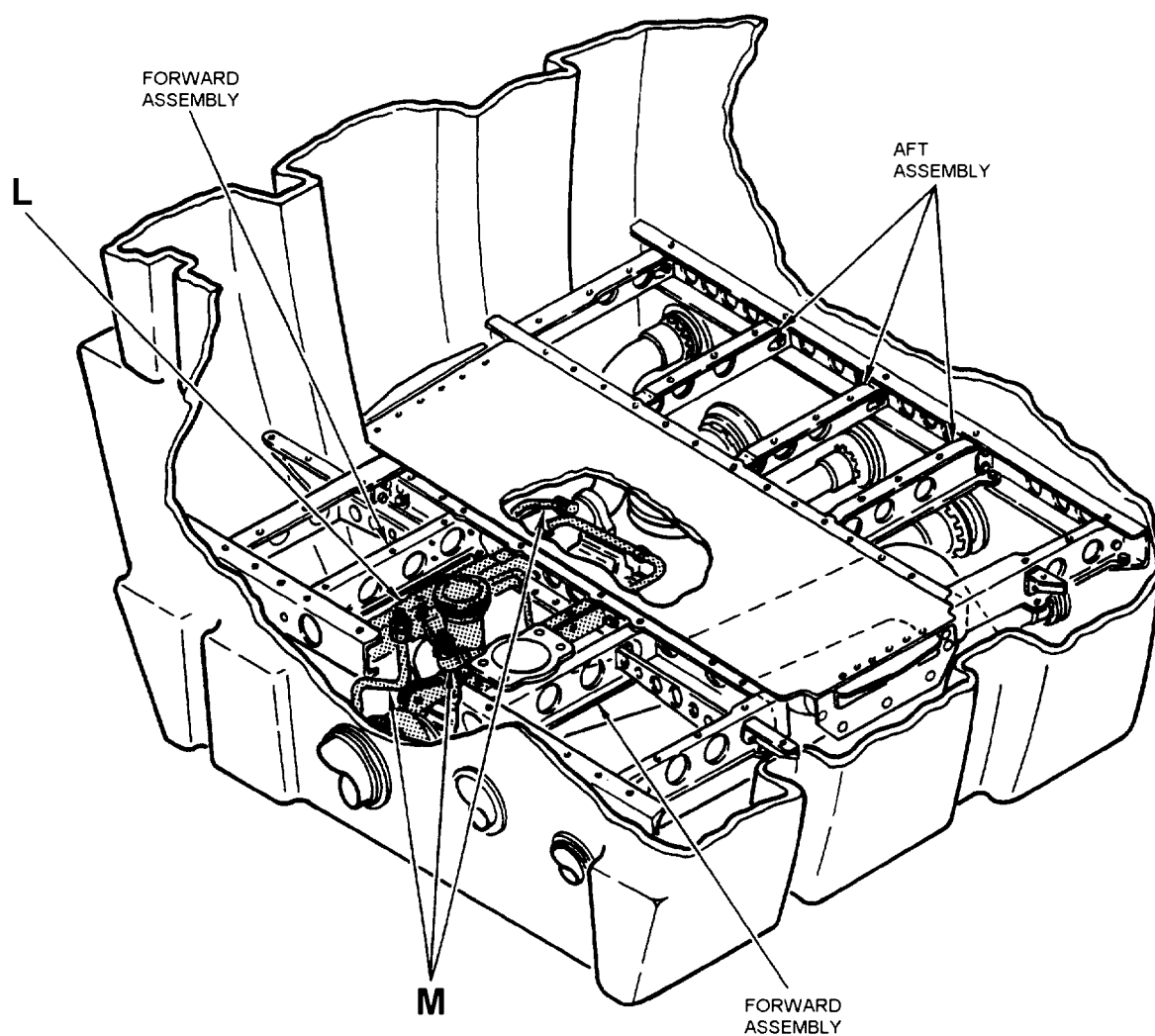
Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

f. Remove webs (84, 91, 92, 102, 105, and 111), bolts (90) and washers.

g. Remove plate (110), carefully pulling wire through hole.



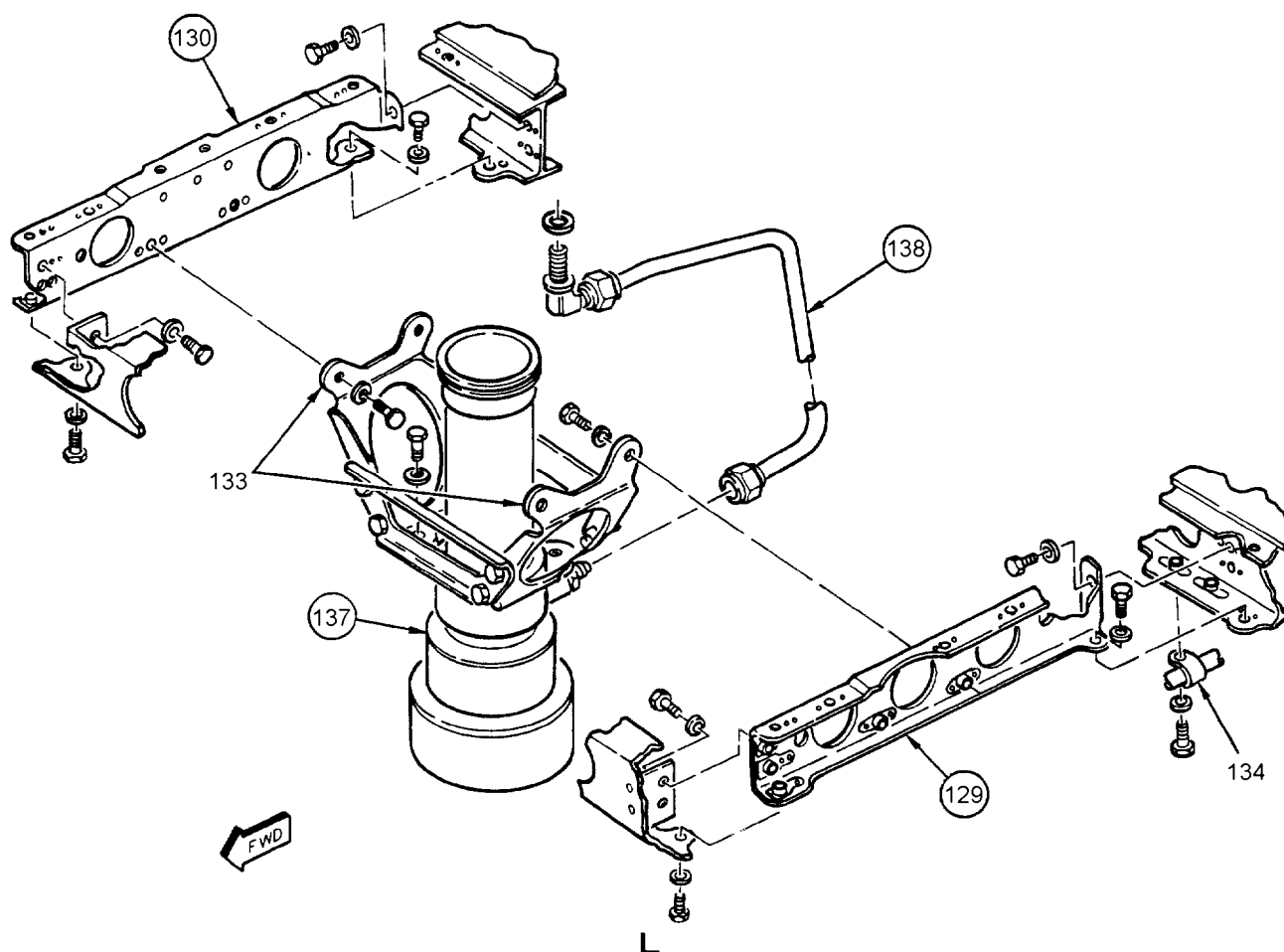
7. SEQUENCE 5.



a. Remove tube (138), then valve (137), bracket (133), and related parts as a unit.

b. Remove supports (129 and 130).

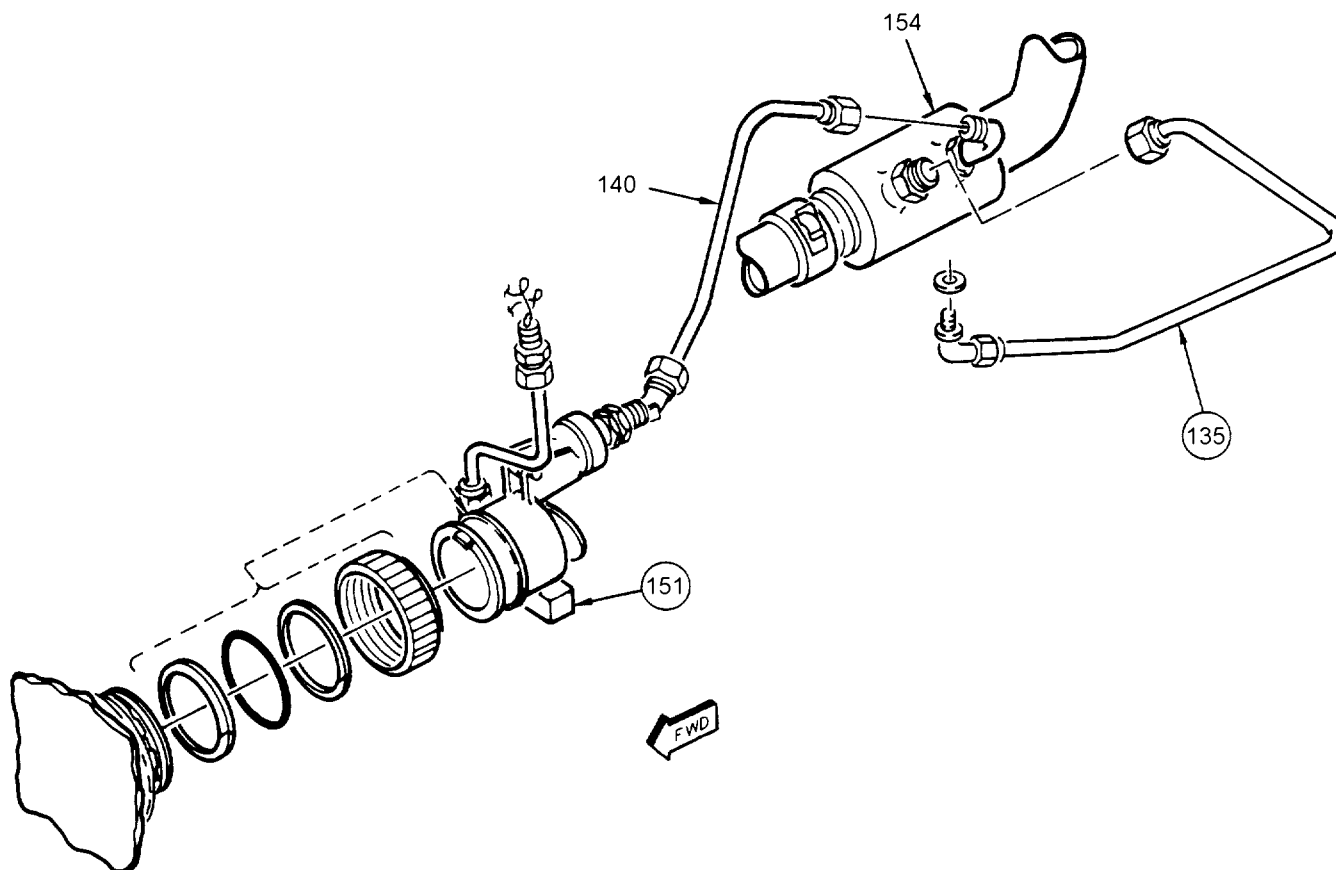
c. Disconnect clamp (134) and attaching parts.



d. Remove tube (135).

e. Disconnect tube (140) from filter (154).

f. Remove valve (151) and related parts.

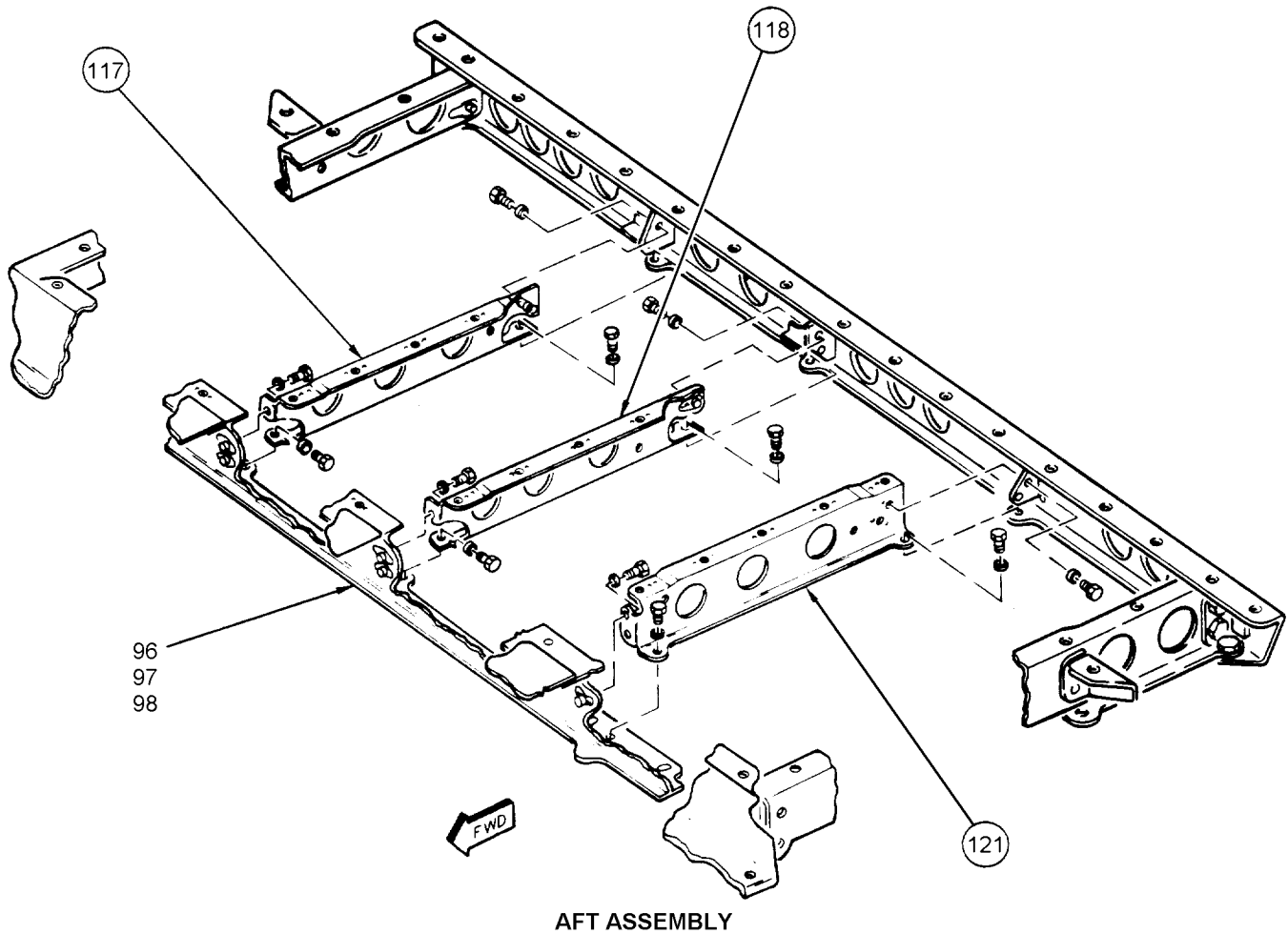


M

WARNING

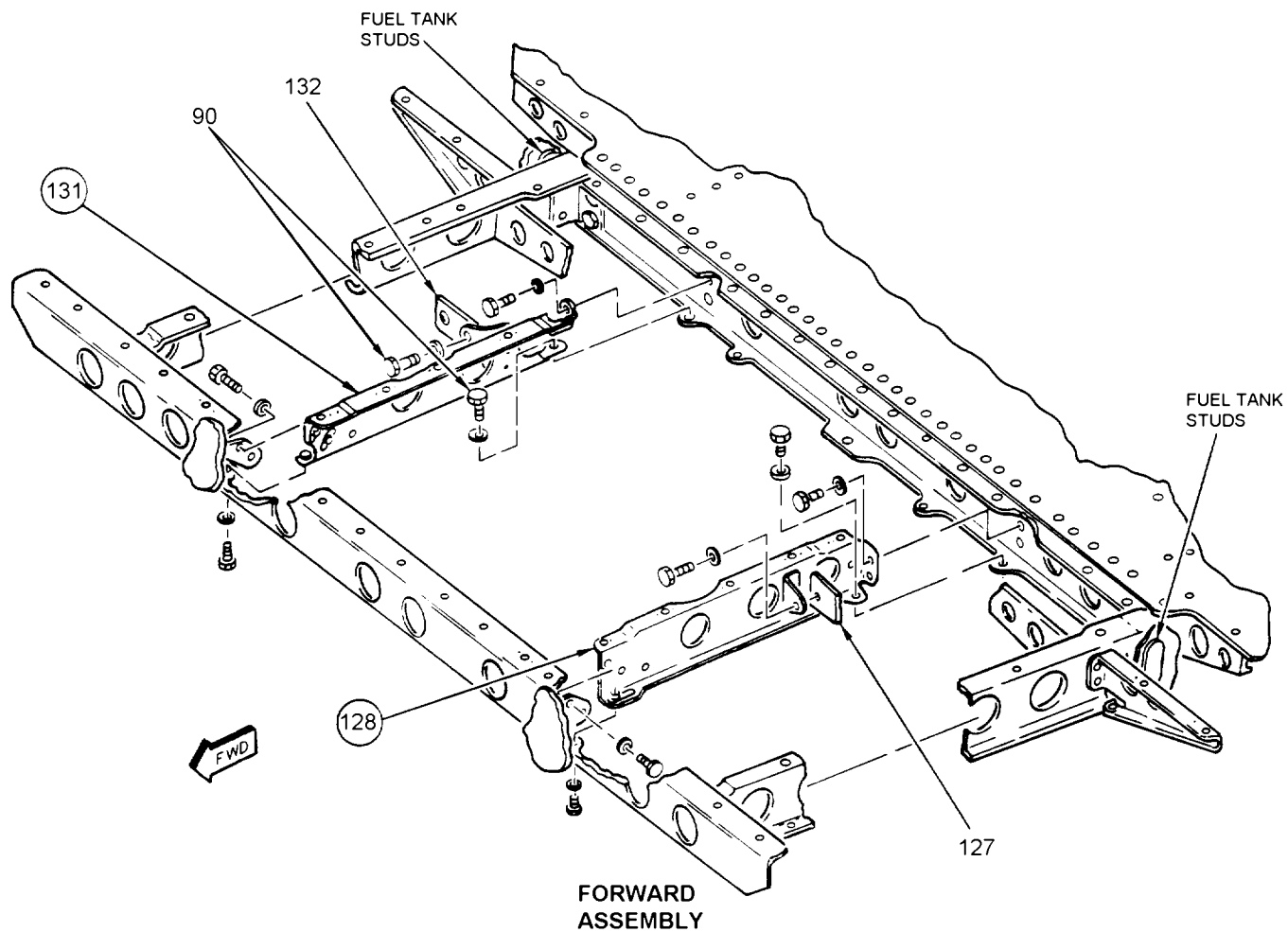
To prevent injury to personnel or damage to components, do not stand on center panel (96, or 97 or 98) when removing supports or brackets.

g. Remove supports (117, 118 and 121) and attaching parts.

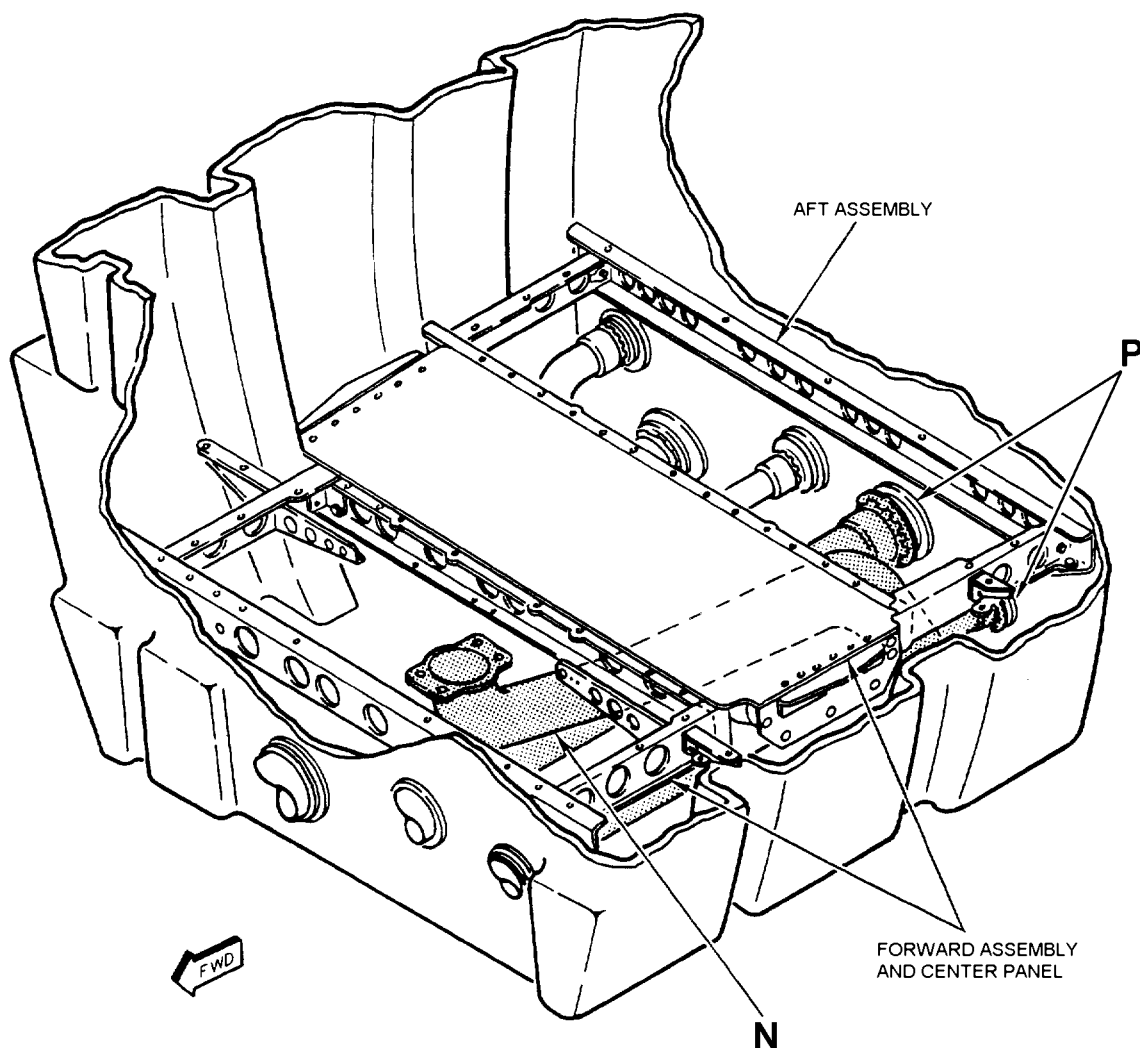


h. Disconnect supports (127 and 132) from supports (128 and 131).

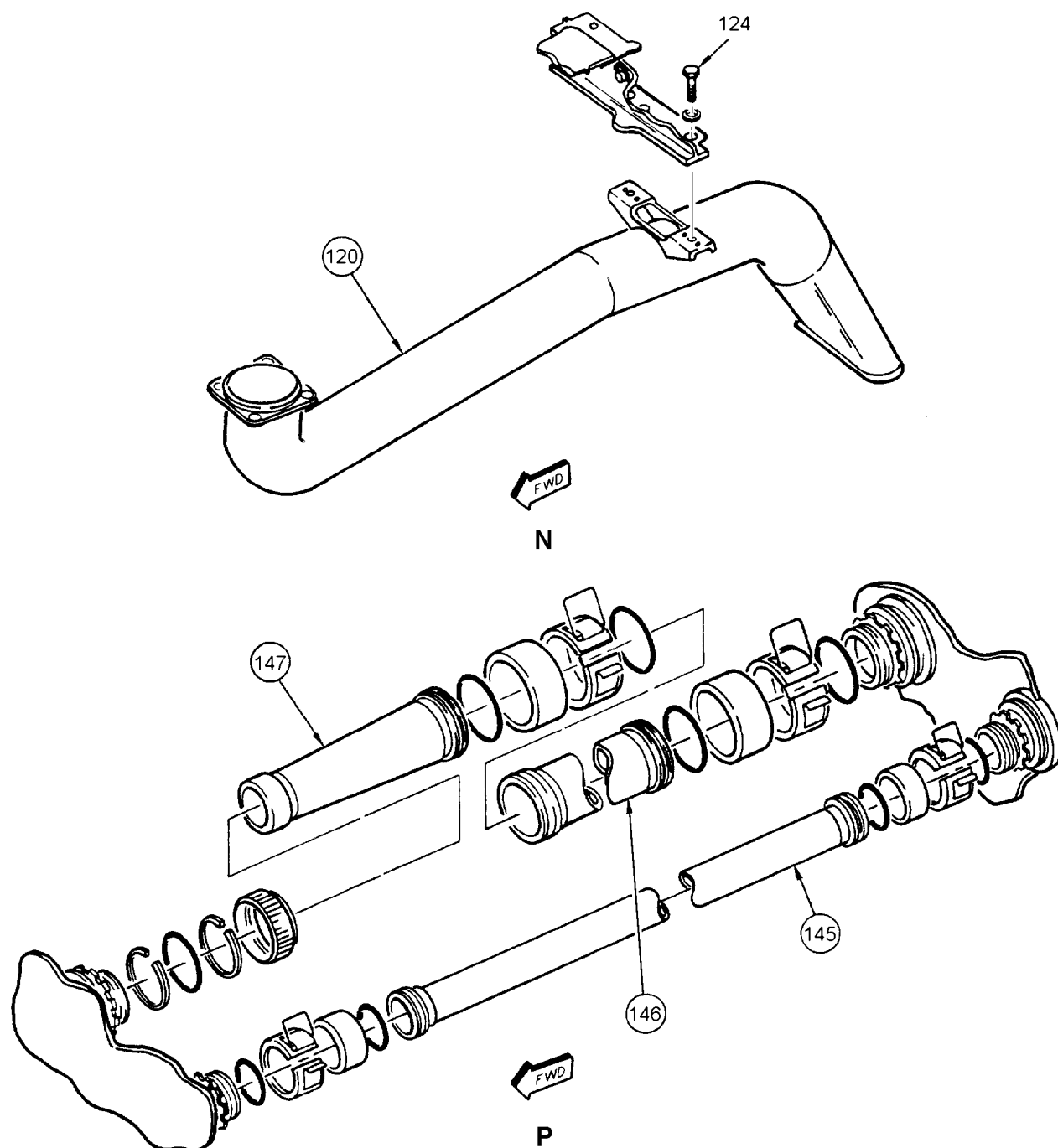
i. Remove supports (128 and 131).



8. SEQUENCE 6.



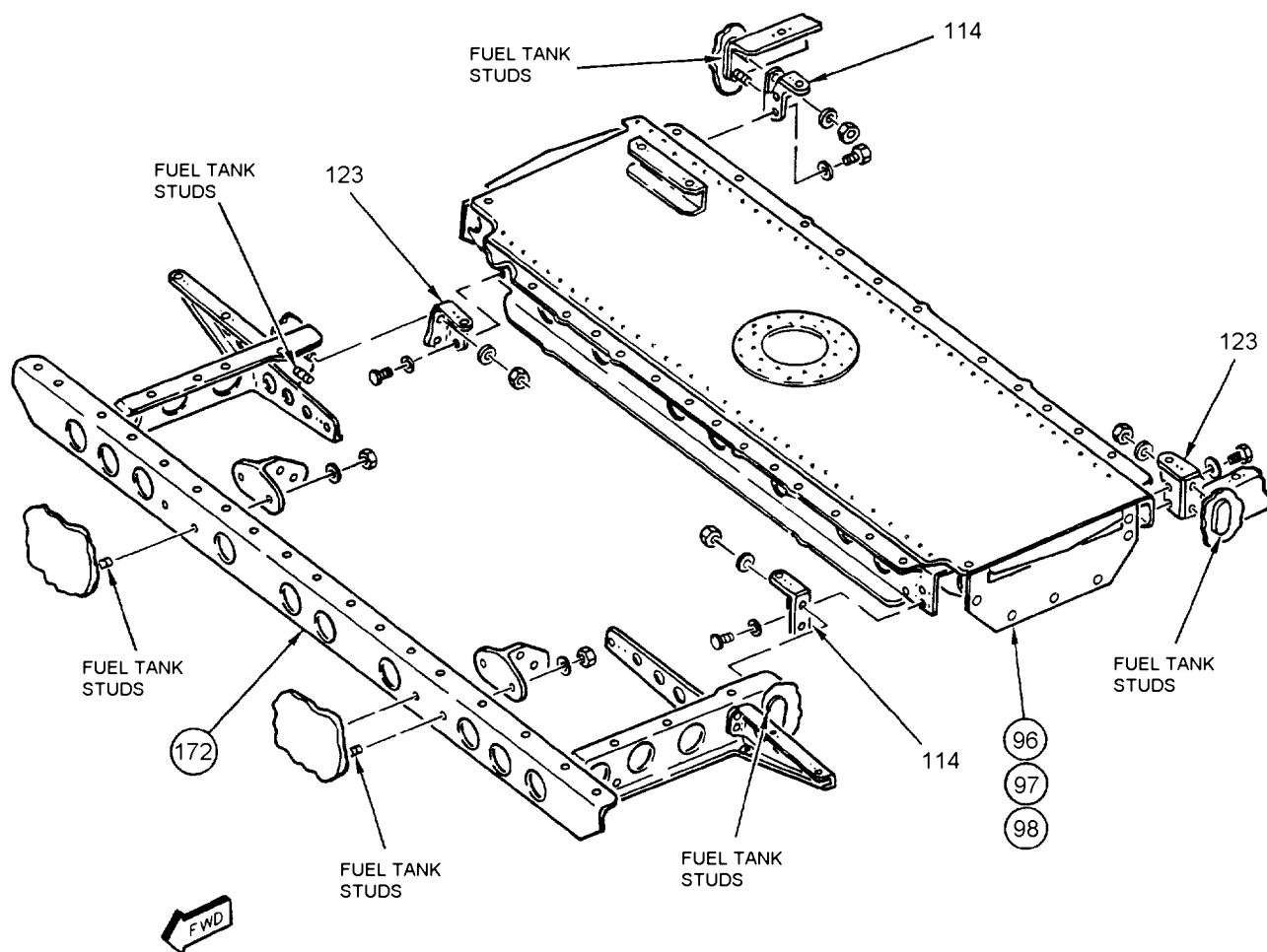
- a. Remove bolts (124) and tube (120).
- b. Remove tubes (145 and 146), ejector (147) and related parts.



c. If removing a hinged panel, fold hinged portion(s) of center panel down, remove brackets (114 and 123), hinged center panel (96 or 97), and attaching parts.

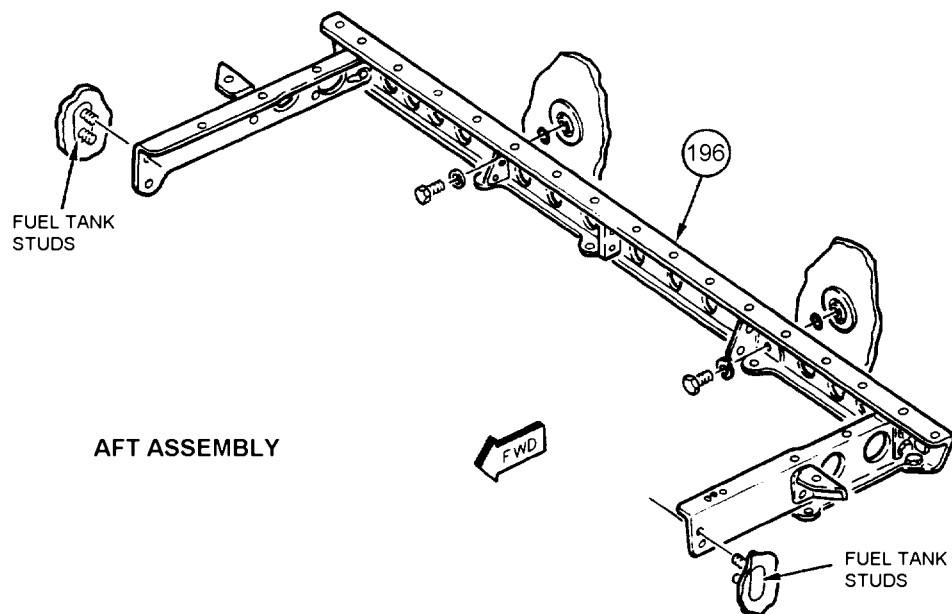
d. If removing a panel without a hinge, remove brackets (114 and 123), center panel (98), and attaching parts.

e. Remove forward beam (172) and related parts.

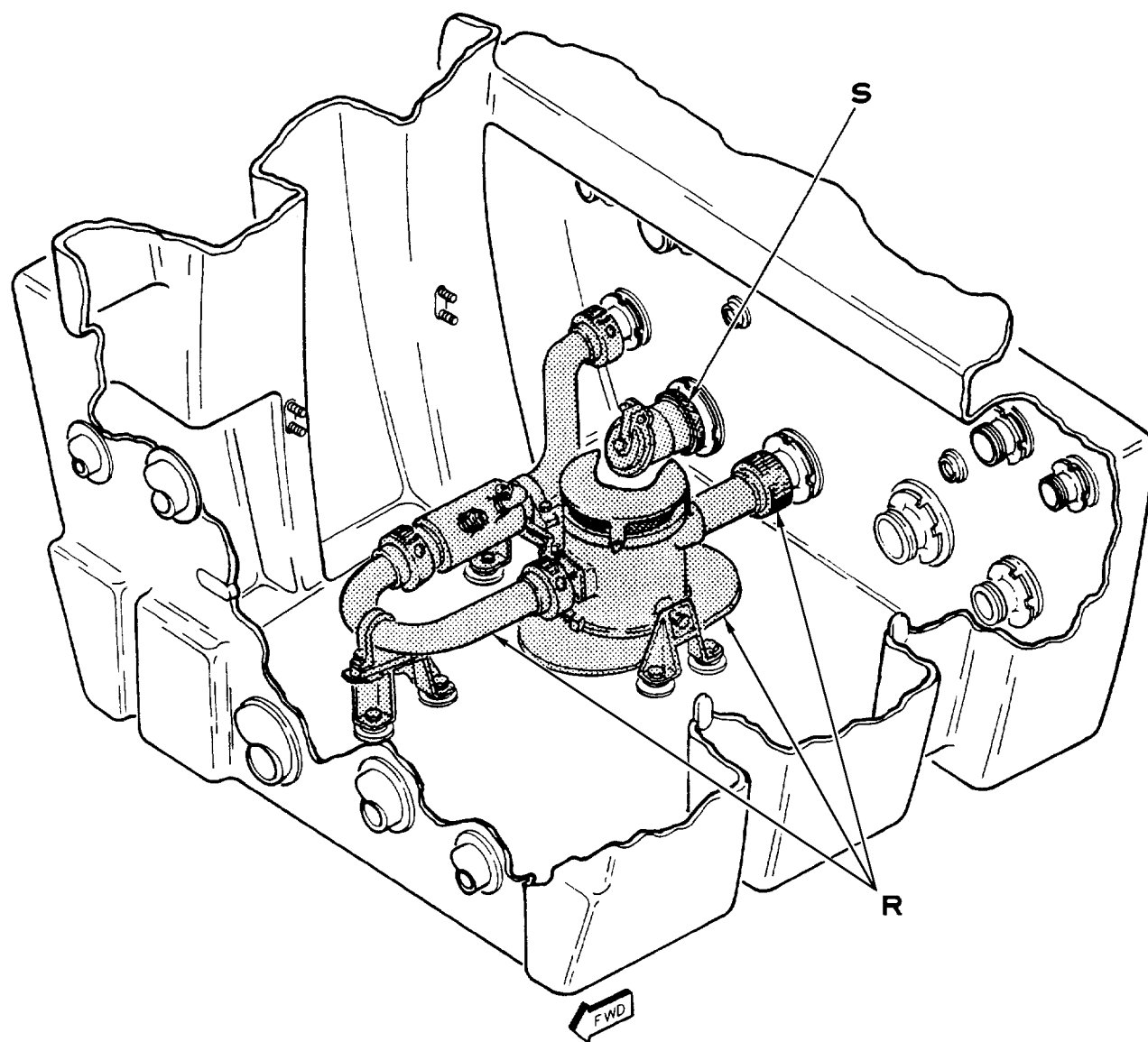


**FORWARD ASSEMBLY
AND CENTER PANEL**

f. Remove beam (196) and attaching parts.



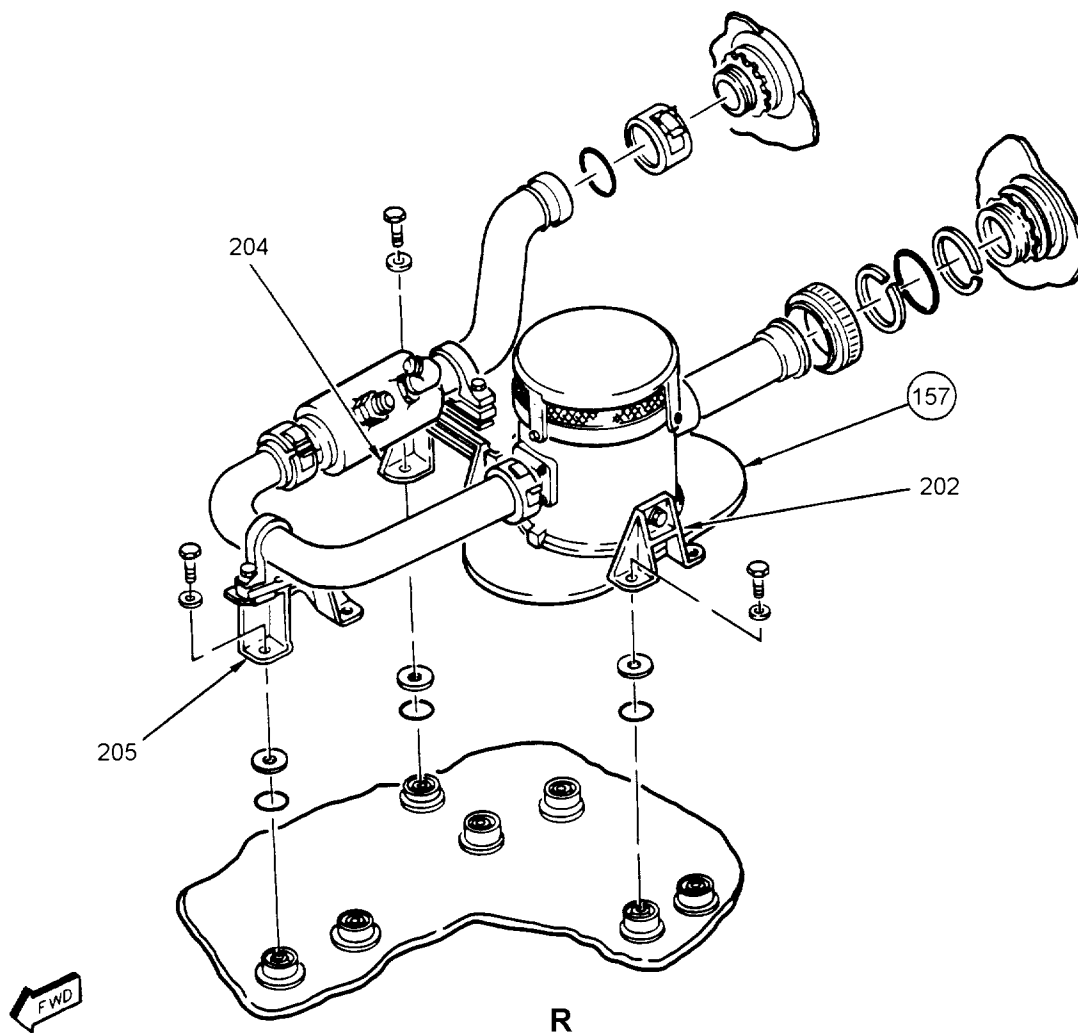
9. SEQUENCE 7.



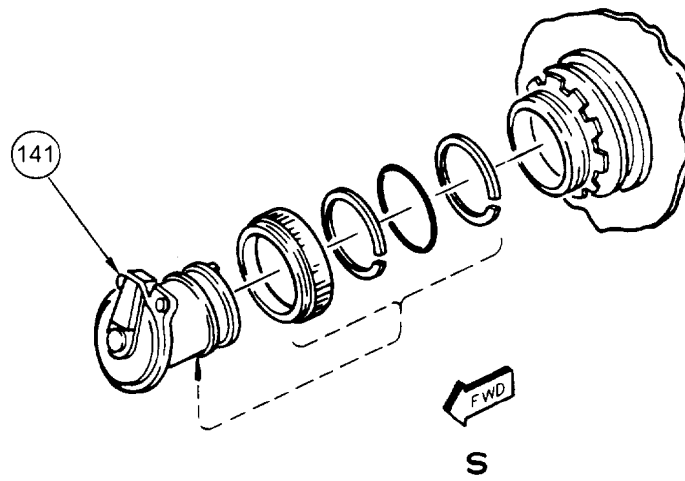
a. Remove bolts and attaching parts from supports (202, 204 and 205).

c. Remove washers and old packings.

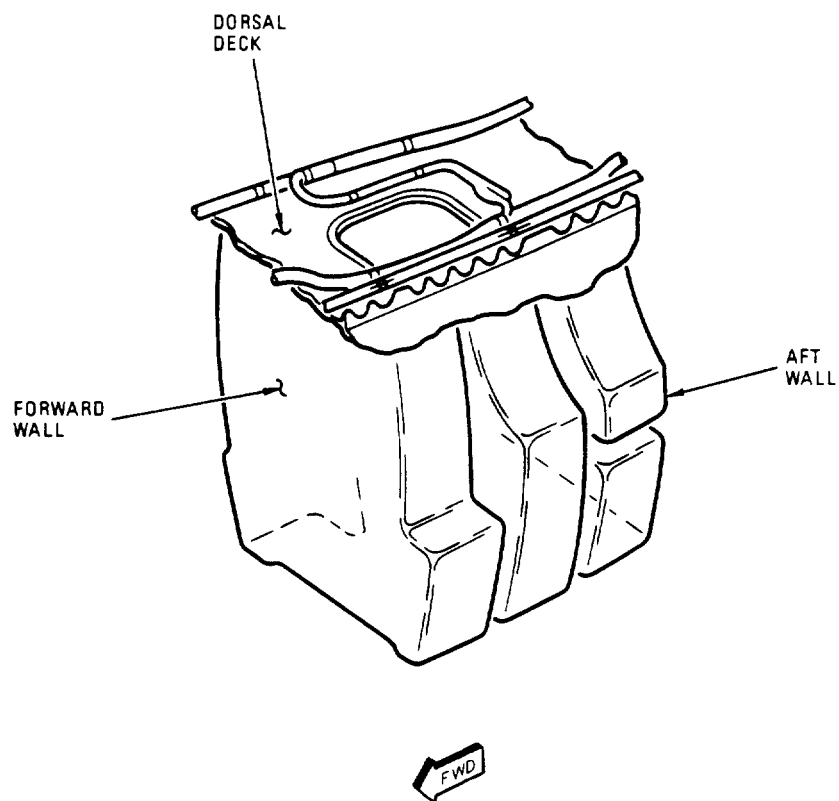
b. Remove supports and ejector (157) as a unit.



d. Remove valve (141) and attaching parts.



10. SEQUENCE 8.



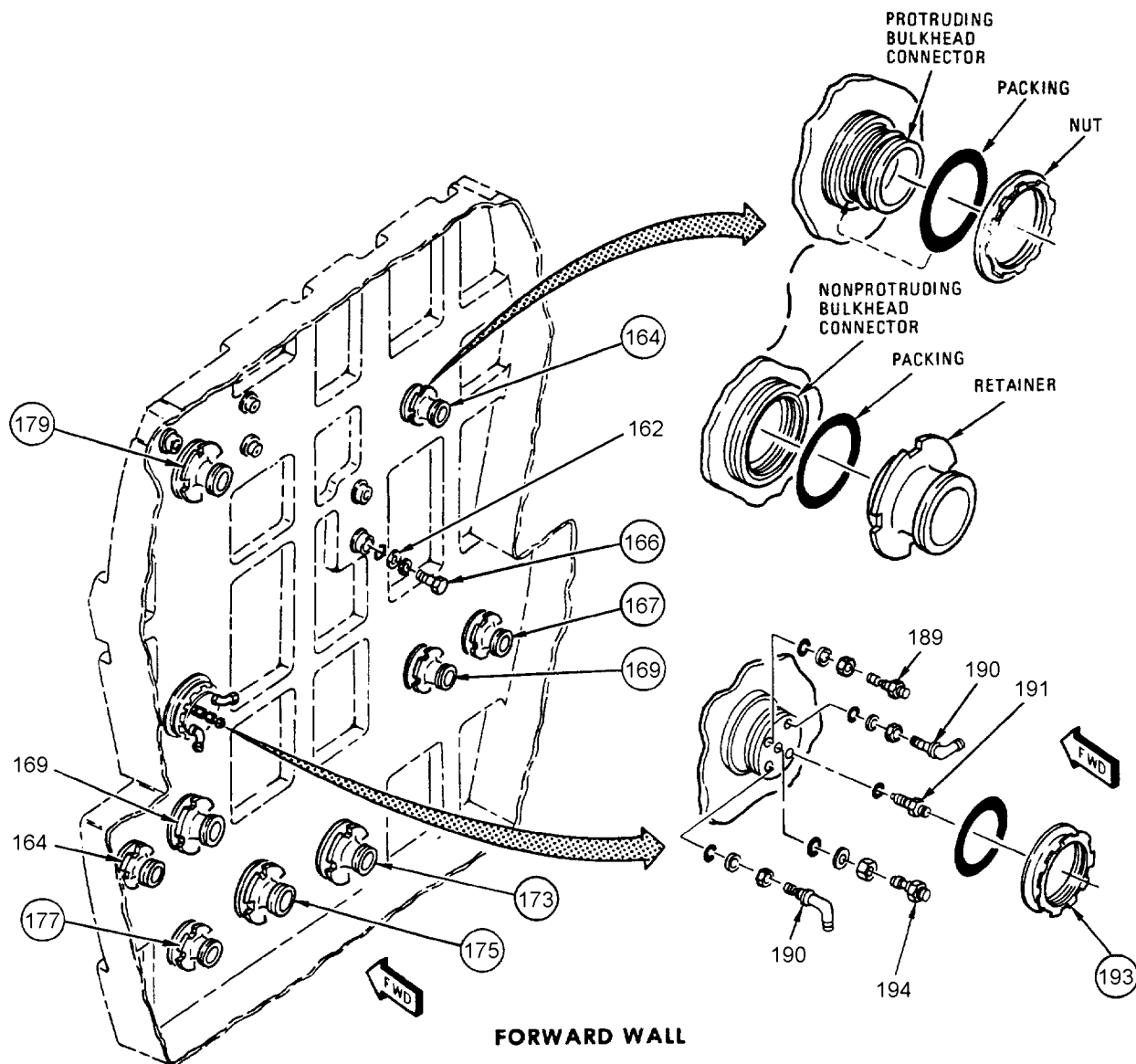
a. Remove elbows (190) and nipples (189, 191 and 194).

NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

b. Remove nuts or retainers (164, 167, 169, 173, 175, 177, 179 and 193) from forward wall.

c. Remove bolts (166), washers (162), and attaching parts.



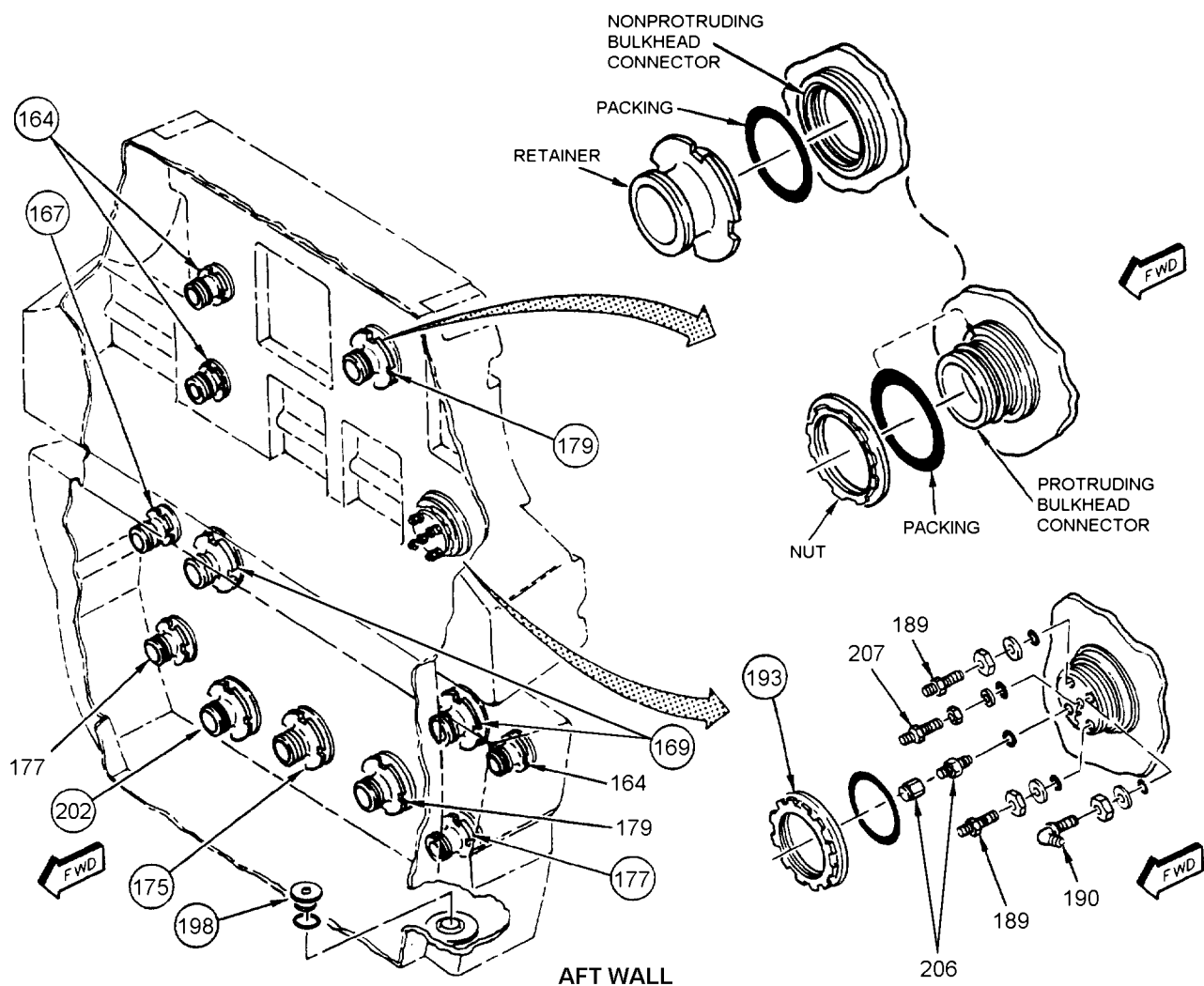
d. Remove nipples (189 and 207) and cap (206), elbow (190) and related parts.

e. Remove nuts or retainers (164, 167, 169, 177, 179, 193, and 202) on aft wall.

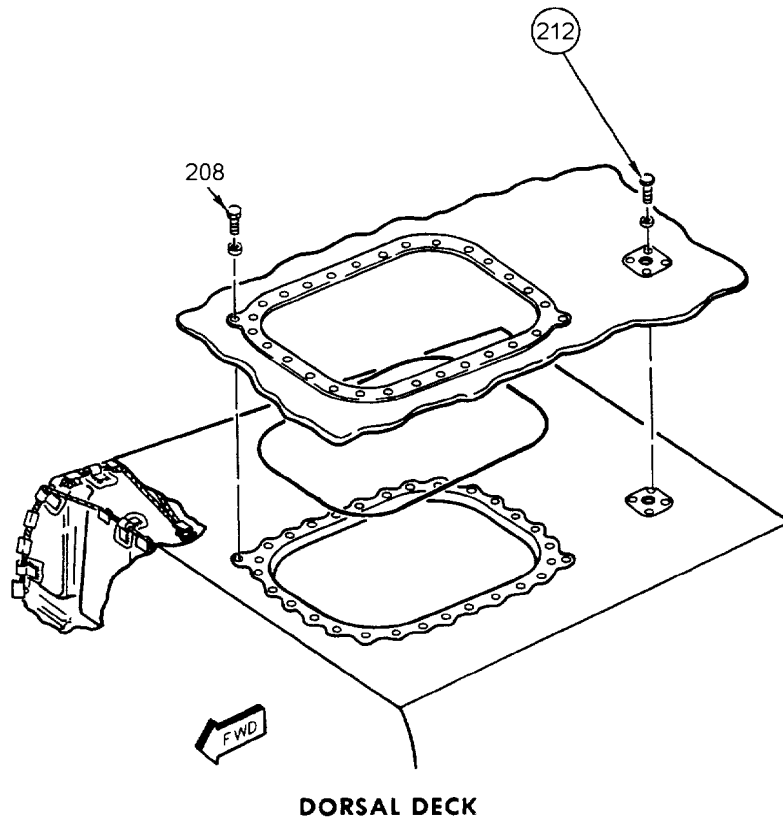
NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

f. Remove adapter (198).



g. Remove bolts (208 and 212) and attaching parts.



11. SEQUENCE 9.

a. Apply pressure sensitive tape to threads of all protruding type bulkhead fittings.



To prevent damage to fuel tank, be careful when cutting lacing cords.

b. Carefully cut all lacing cords.



To prevent damage to fuel tank, fuel tank fittings and cavity bulkhead fittings, do not allow fuel tank fittings to become cocked on cavity bulkhead fittings during removal. Be careful when lowering tank from cavity bulkhead fittings.

To avoid damage to fuel tank fittings, do not use pliers when removing tank from bulkhead fittings.

NOTE

Make sure packings are removed before pulling tank off bulkhead fittings.

When removing tank from protruding type bulkhead fittings, remove forward lower left side of tank first.

c. Working between fuel tank cavity and fuel tank, using fuel cell removal/installation tool set (WP009 01), slide tank off all cavity bulkhead fittings and place barrier material between tank and bulkhead fittings as required.

d. Remove protective pad from tank (WP009 01).

e. Fold and remove fuel tank (WP025 00). Make sure tank is off all bulkhead fittings.

12. CAVITY INSPECTION. (QA)

a. Observe applicable fuel tank maintenance precautions (WP013 00).



Failure to do steps below may result in damage to fuel tank.

b. Clean (WP039 00) and inspect all fittings of:

(1) dirt

(2) paint

(3) grease

(4) corrosion

(5) foreign material that would prevent a correct seal

c. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01).

(1) cracks

(2) scratches

(3) nicks

(4) distortion

(5) damaged threads

(6) damage that would cause mismatching, or prevent a correct seal

d. Inspect for and replace (WP025 01) all foam that is:

(1) loose

(2) damaged

(3) fuel soaked (fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00)

(4) missing

e. Inspect for and replace (WP039 00) all pressure sensitive tape that is damaged, loose or does not cover:

(1) rivet collars

(2) nuts

(3) bolts

(4) bucked head of rivets

(5) lap joints with a thickness of 0.126 inch or more

(6) sharp or rough areas of backing boards

(7) sharp edges that could chafe tank

f. Inspect for and replace (WP035 01) backing boards that are:

(1) damaged

(2) fuel soaked

g. Inspect for and replace thermal insulation blankets (WP036 01) that are:

(1) damaged

(2) loose

(3) fuel soaked

h. Inspect complete cavity for:

(1) burrs, metal edges or protrusions not covered with anti-chafe tape or foam which could cause damage to fuel cell

(2) loose, missing or damaged lacing clips

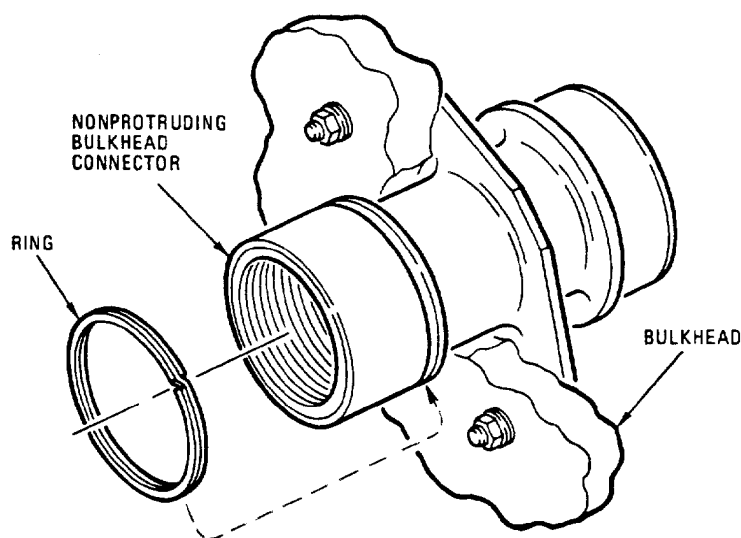
(3) cleanliness

(4) corrosion

NOTE

Nonprotruding bulkhead connectors have ring on one side only, opposite side has fixed flange.

i. Inspect applicable nonprotruding bulkhead connectors and replace (WP042 00) missing or damaged rings.



**ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
REMOVAL - NO. 3 FUEL TANK (5CAP510)
FUEL STORAGE SYSTEM
EFFECTIVITY: 161716 AND UP**

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB - No. 3 Fuel Tank	WP024 02
Repair - No. 3 Fuel Tank Inverted Flight Baffle	WP024 05
No. 3 Fuel Tank Inspection and Folding	WP025 00
No. 3 Fuel Tank Cavity Foam Filler	WP025 01
Fuel Tank Cavity Thermal Blankets	WP036 01
Fuel Tank Cavity Repair	WP038 00
No. 2 and No. 3 Fuel Tank Backing Boards	WP035 01
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00
No. 3 Fuel Tank Cavity Fittings and Supports	WP042 00

Alphabetical Index

Subject	Page No.
General	2
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Materials Required	2
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA F/A-18-00143)	1 Mar 83	

Support Equipment Required

Part Number or Type Designation	Nomenclature
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set

Materials Required

Specification or Part Number	Nomenclature
MIL-T-43435TYPE- 2SIZE-3FINISH-C (CAGE 81349)	Lacing Tape
474 (CAGE 26066)	Tape, Pressure Sensitive

1. GENERAL.**NOTE**

For complete parts list, see no. 3 fuel tank parts list (WP024 02).

For baffle repair, see no. 3 fuel tank inverted flight baffle repair (WP024 05).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in a cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

c. Tag assembly with index number that has been circled on artwork of procedure.

d. Keep parts grouped in containers after removal.

e. Do general preparation for removal (WP013 00).

WARNING

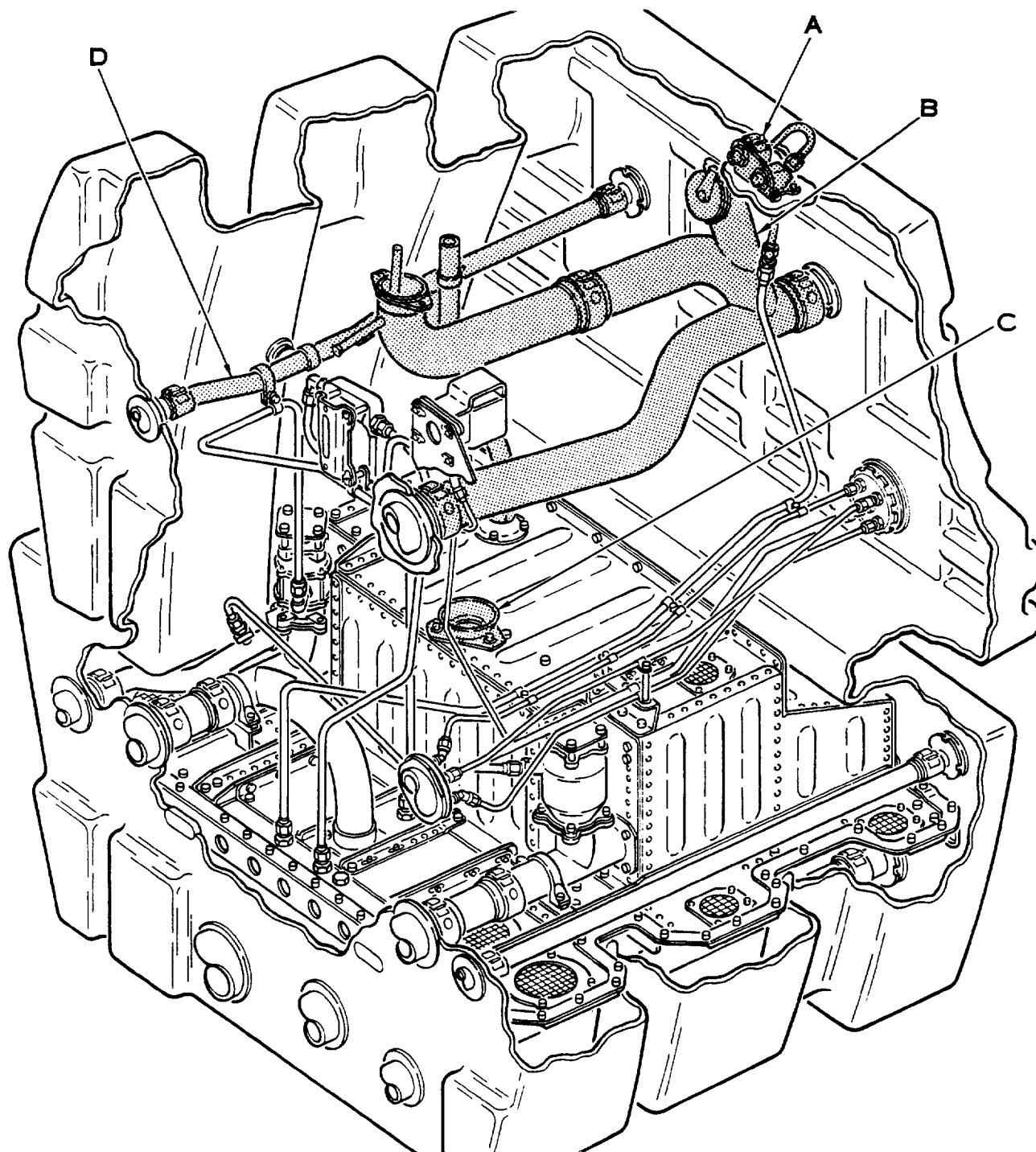
To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.

g. High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers from non-protruding type bulkhead connectors.

2. REMOVAL.

3. SEQUENCE 1.



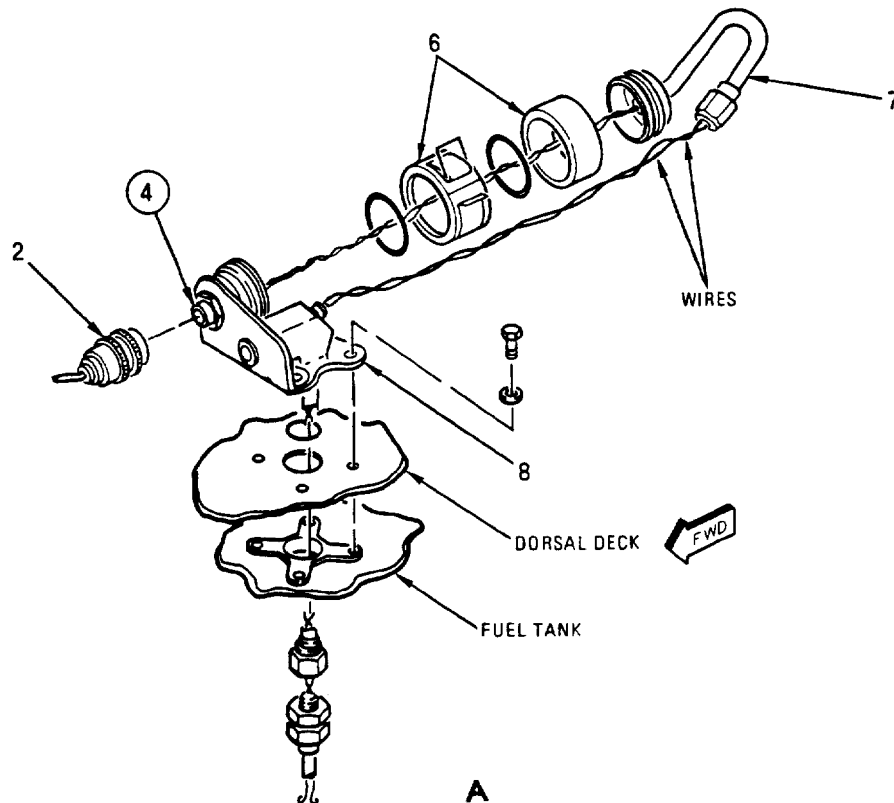
- a. Disconnect connector (2).
- b. Remove coupling (6) and disconnect adapter (7) at elbow (8).



To prevent damage to wires, carefully pull wires through adapter components and parts.

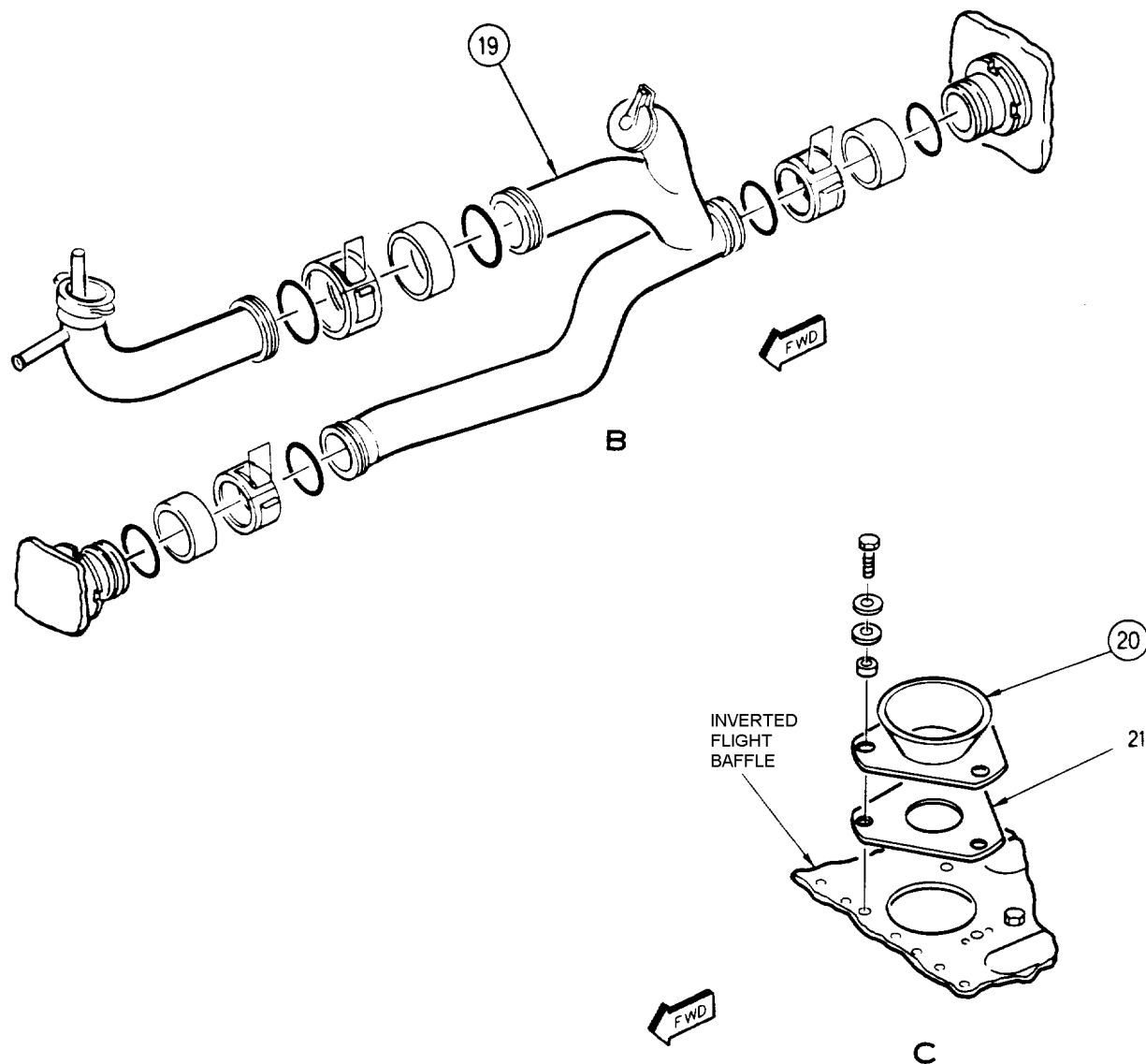
- c. Disconnect wires from connector (4) then carefully pull wires through adapter (7) and remove adapter (7).

- d. Carefully pull wires through elbow (8) and remove elbow (8).



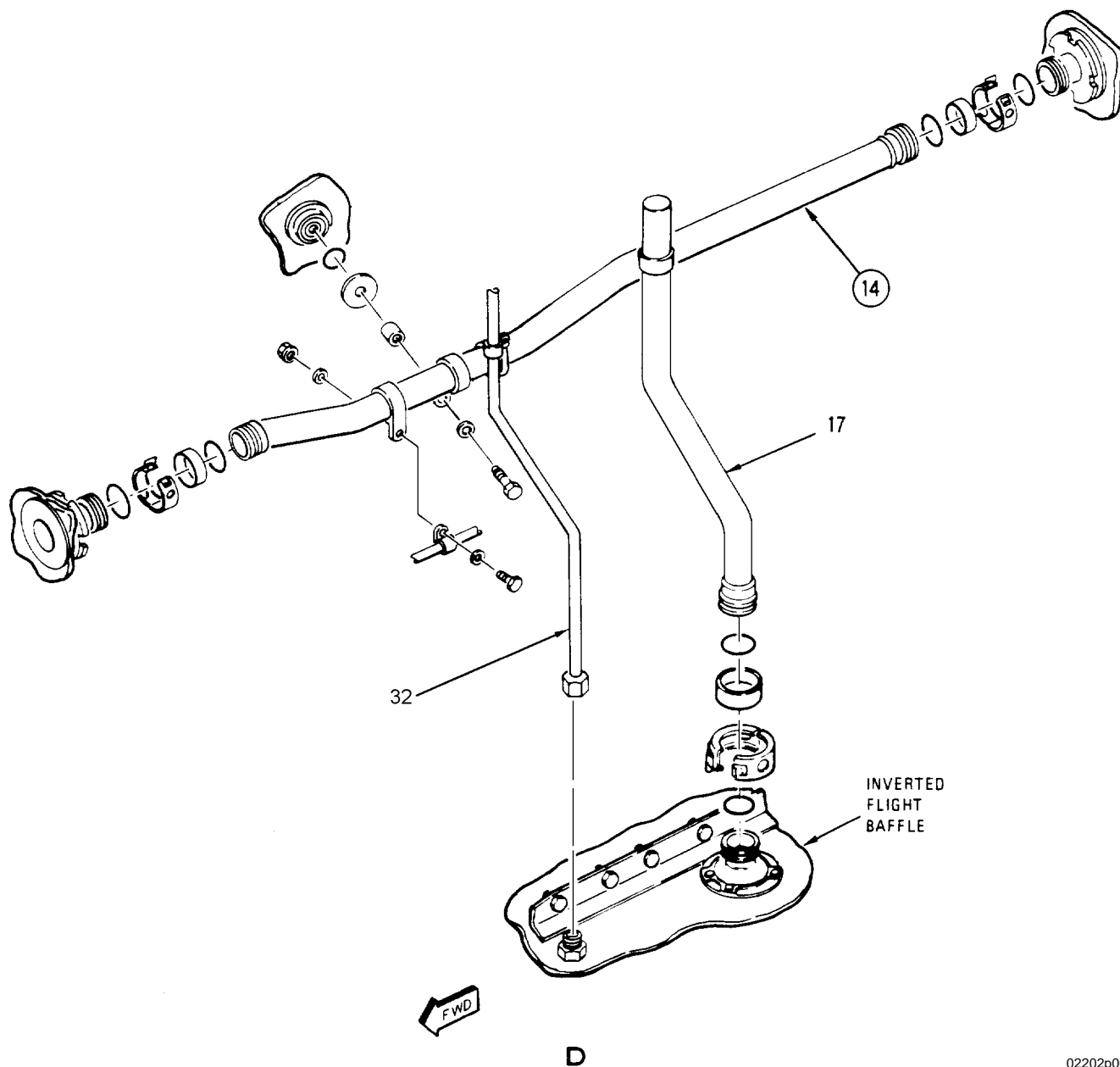
e. Remove vent assembly (19) and related parts.

f. Remove probe guide (20) and, if required, gasket (21).

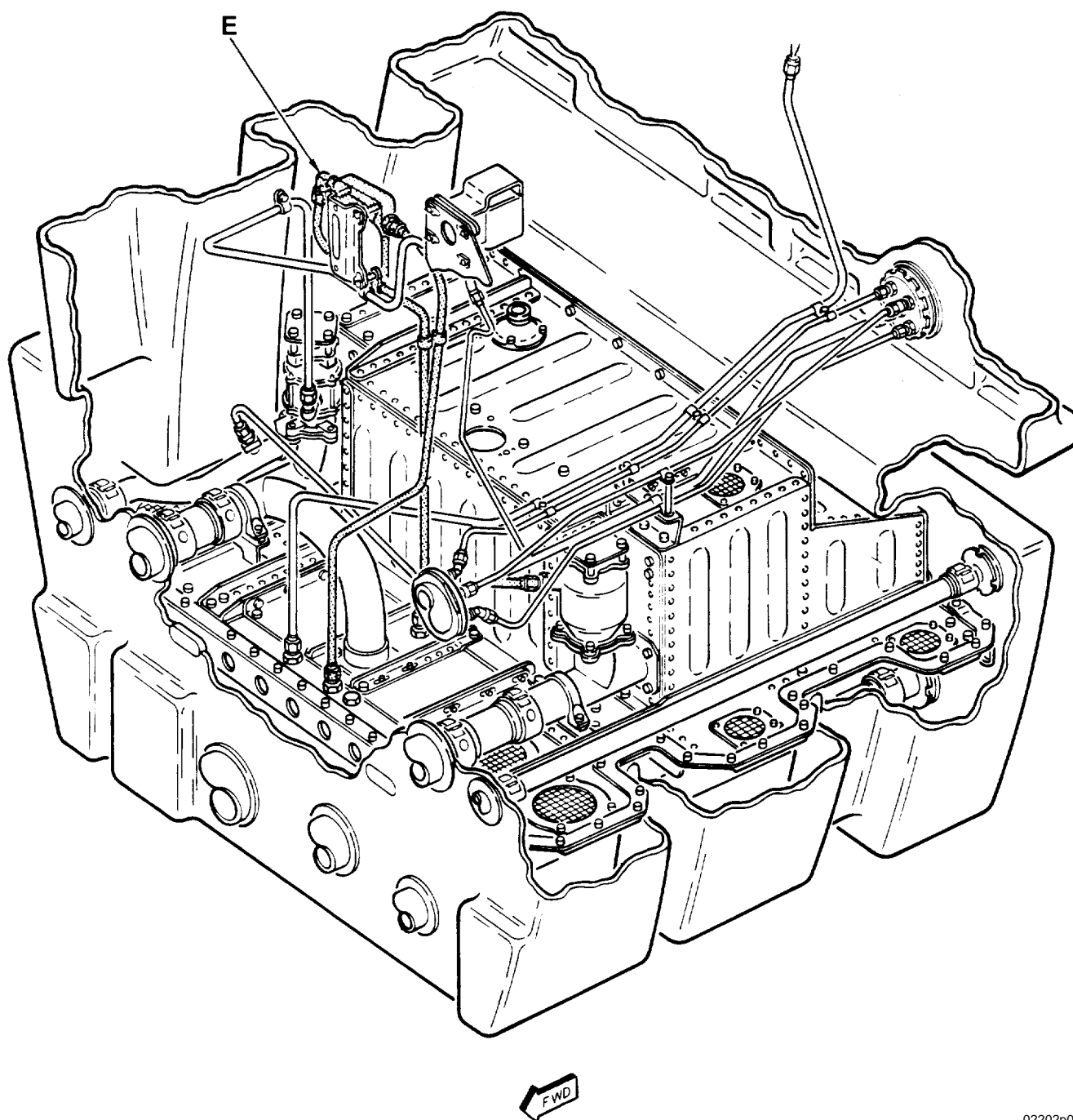


g. On 161716 THRU 161761, disconnect tube (32).

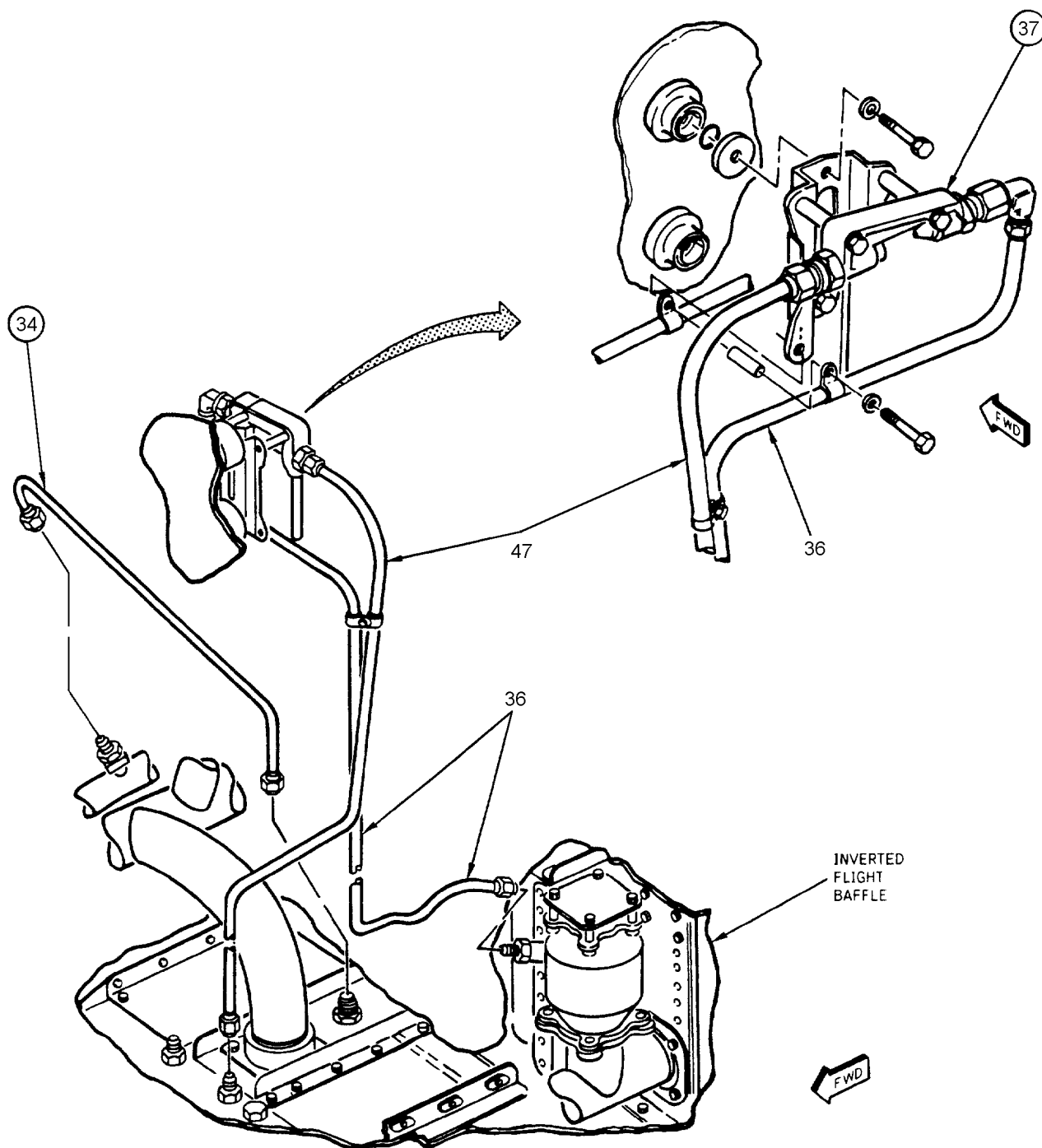
h. Remove tubes (14 and 17) as an assembly, and related parts.



4. SEQUENCE 2.

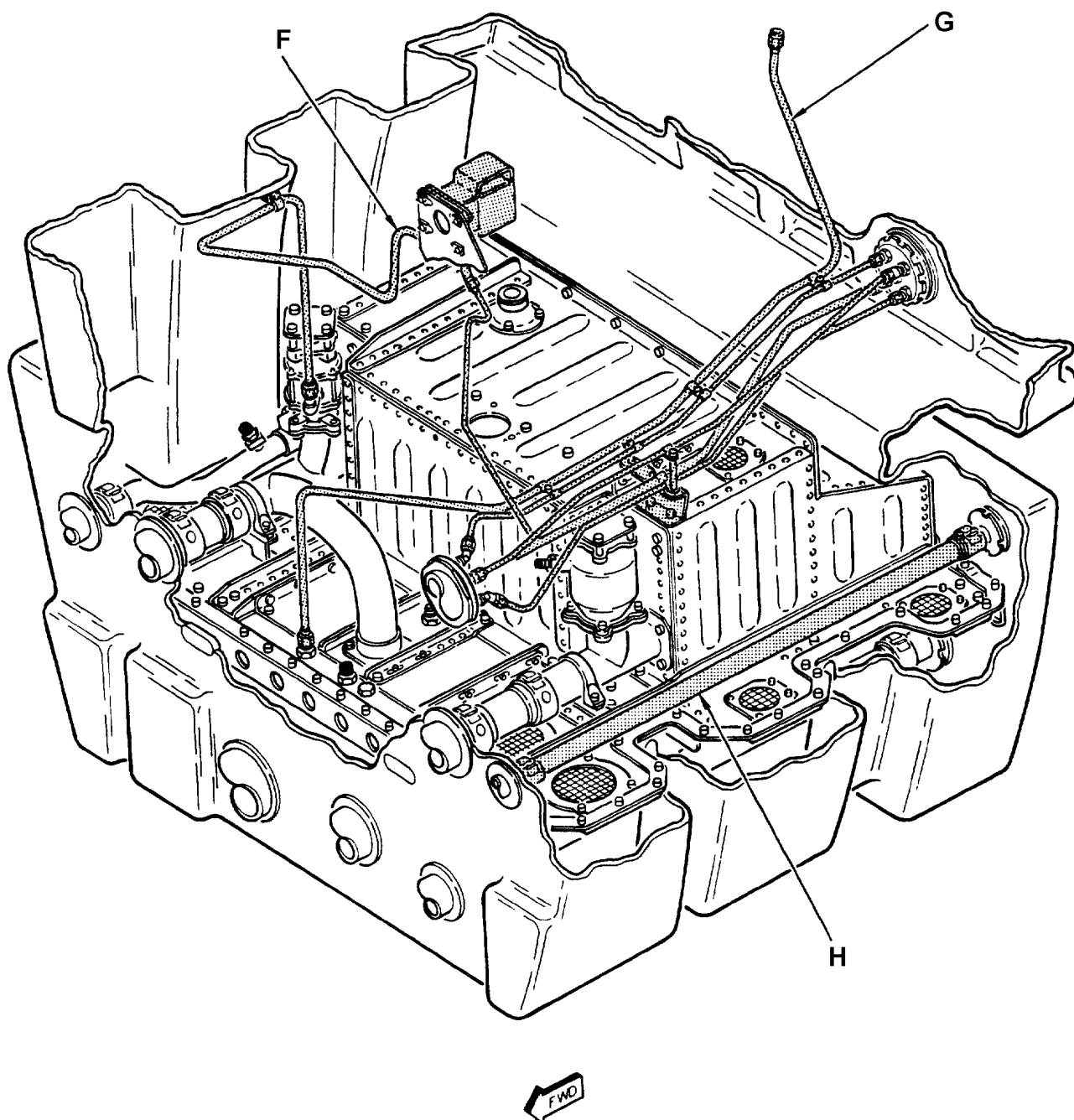


- a. Remove tube (34).
- b. Remove sensor (37) and tubes (36 and 47) as an assembly.

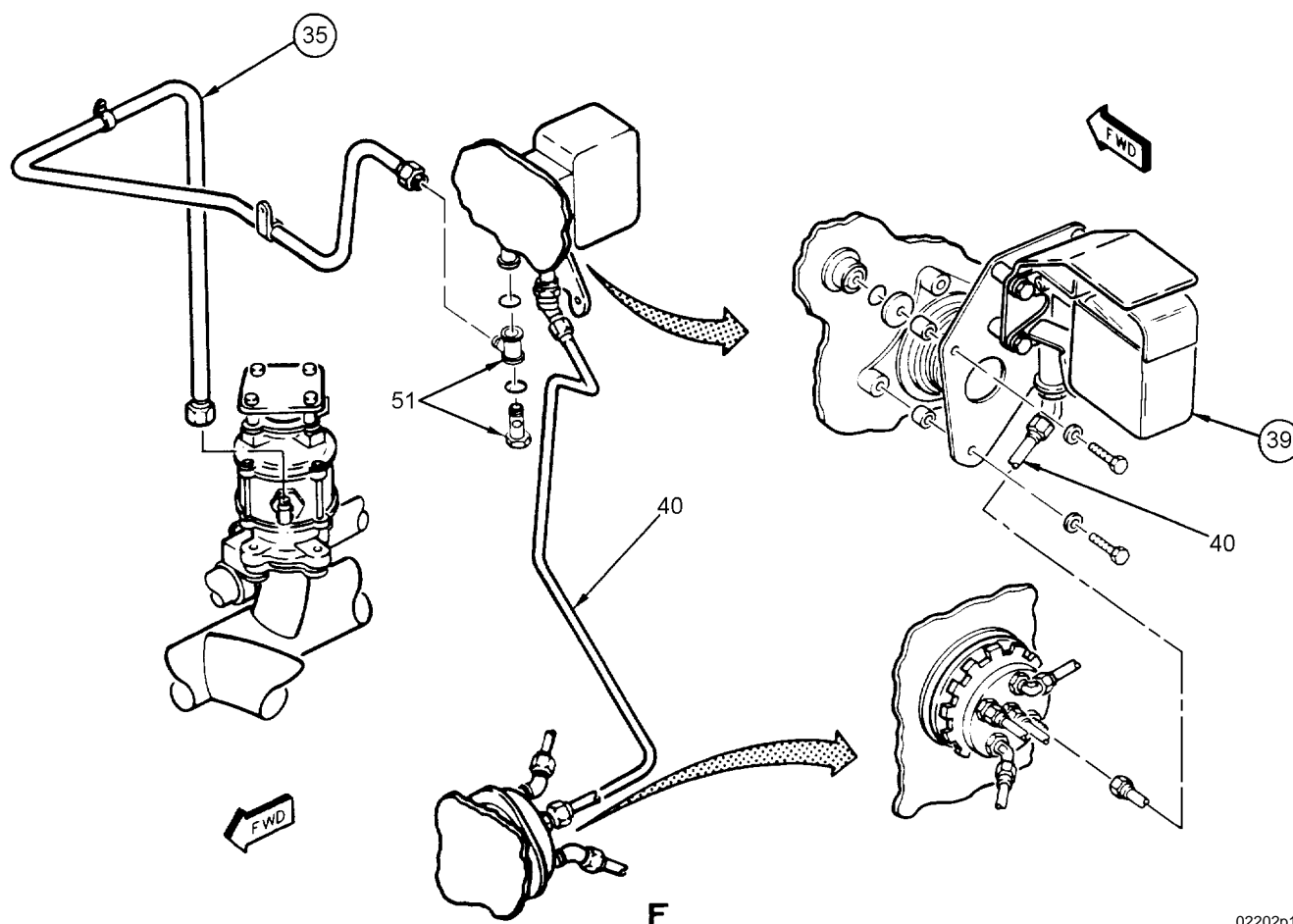


E

5. SEQUENCE 3.



- a. Remove tube (35).
- b. Remove connector (51) and bolt, valve (39) with tube (40) and related parts.



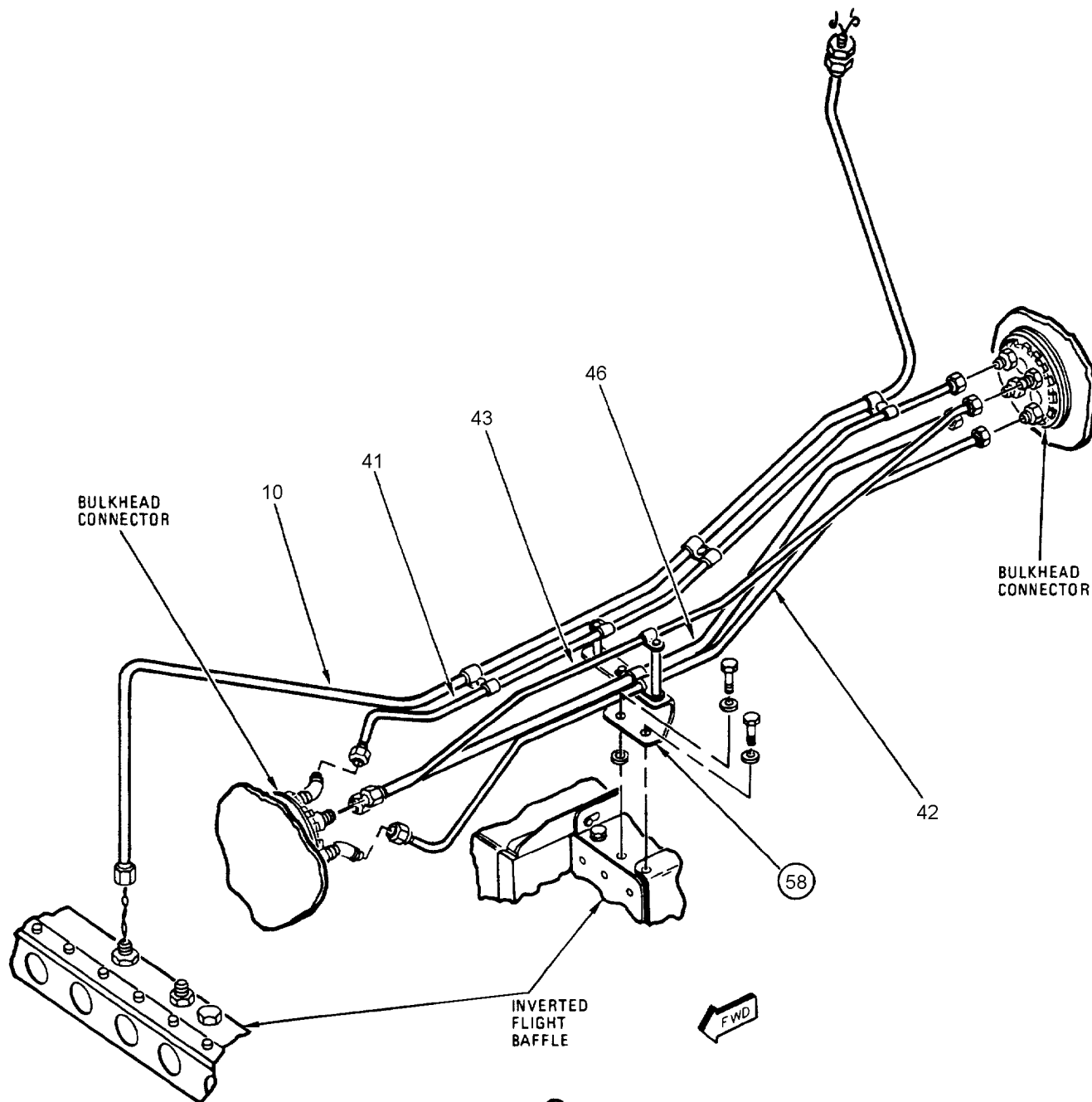
c. Disconnect tubes (41, 42, 43 and 46) from bulkhead connectors.

d. Disconnect tube (10) from baffle.

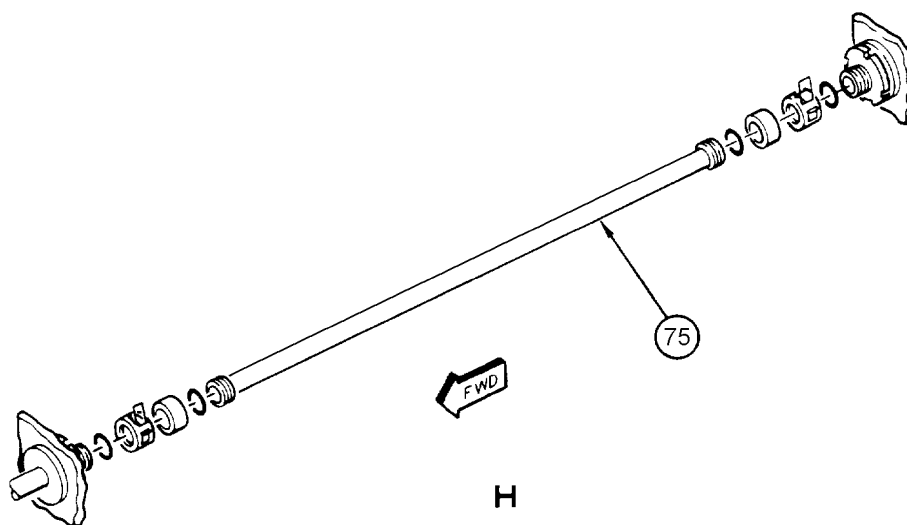
e. Tie a 6 foot length of lacing tape to wires and carefully pull wires through tube (10). Untie lacing tape from wires.

f. On 161716 THRU 163145, disconnect bracket (58) and carefully remove tubes (10, 41, 42, 43 and 46) and bracket (58) as an assembly.

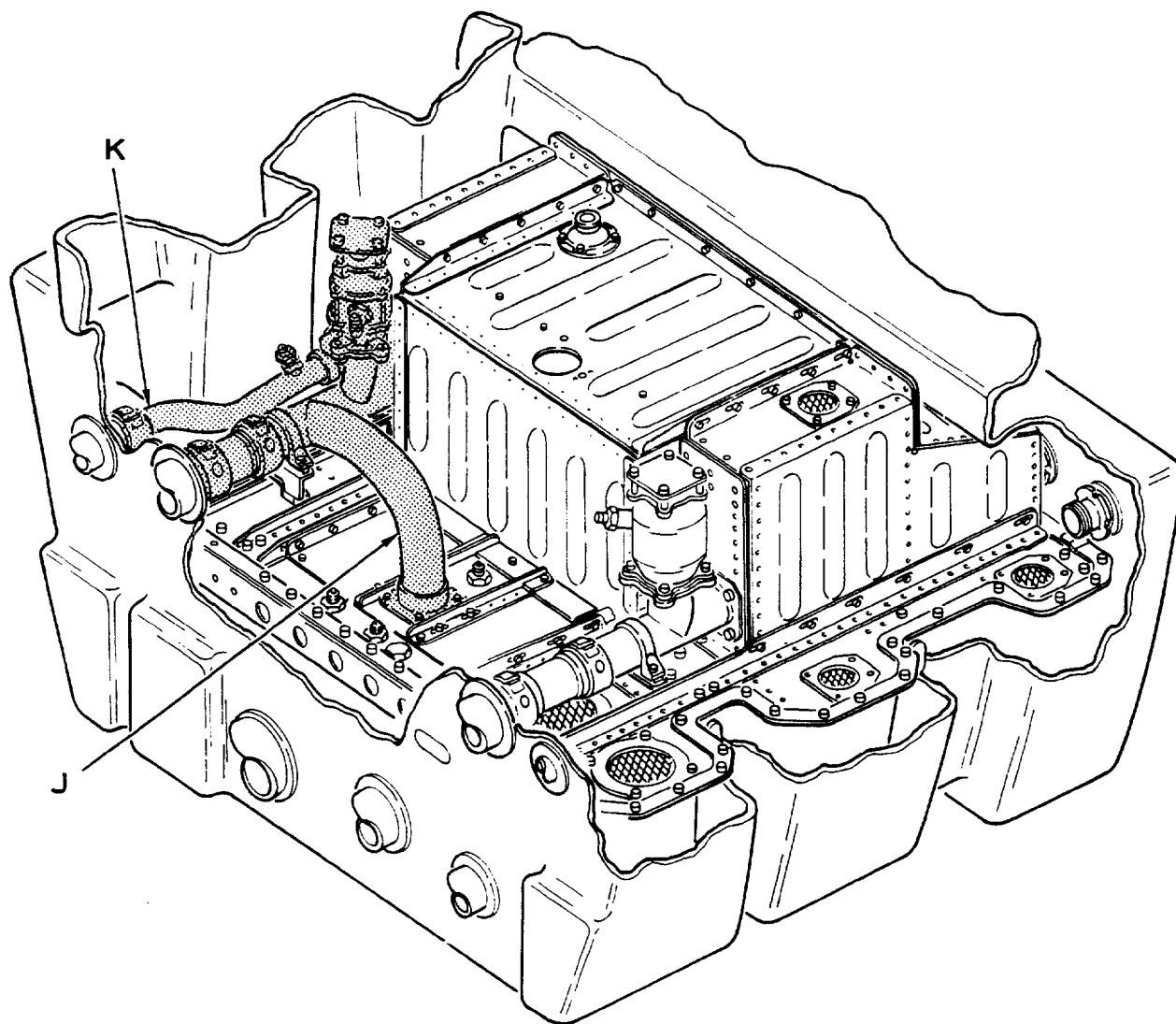
g. On 163146 AND UP, disconnect bracket (58) and carefully remove tubes (10, 41, 42, and 43) and bracket (58) as an assembly.



h. Remove tube (75) and related parts.



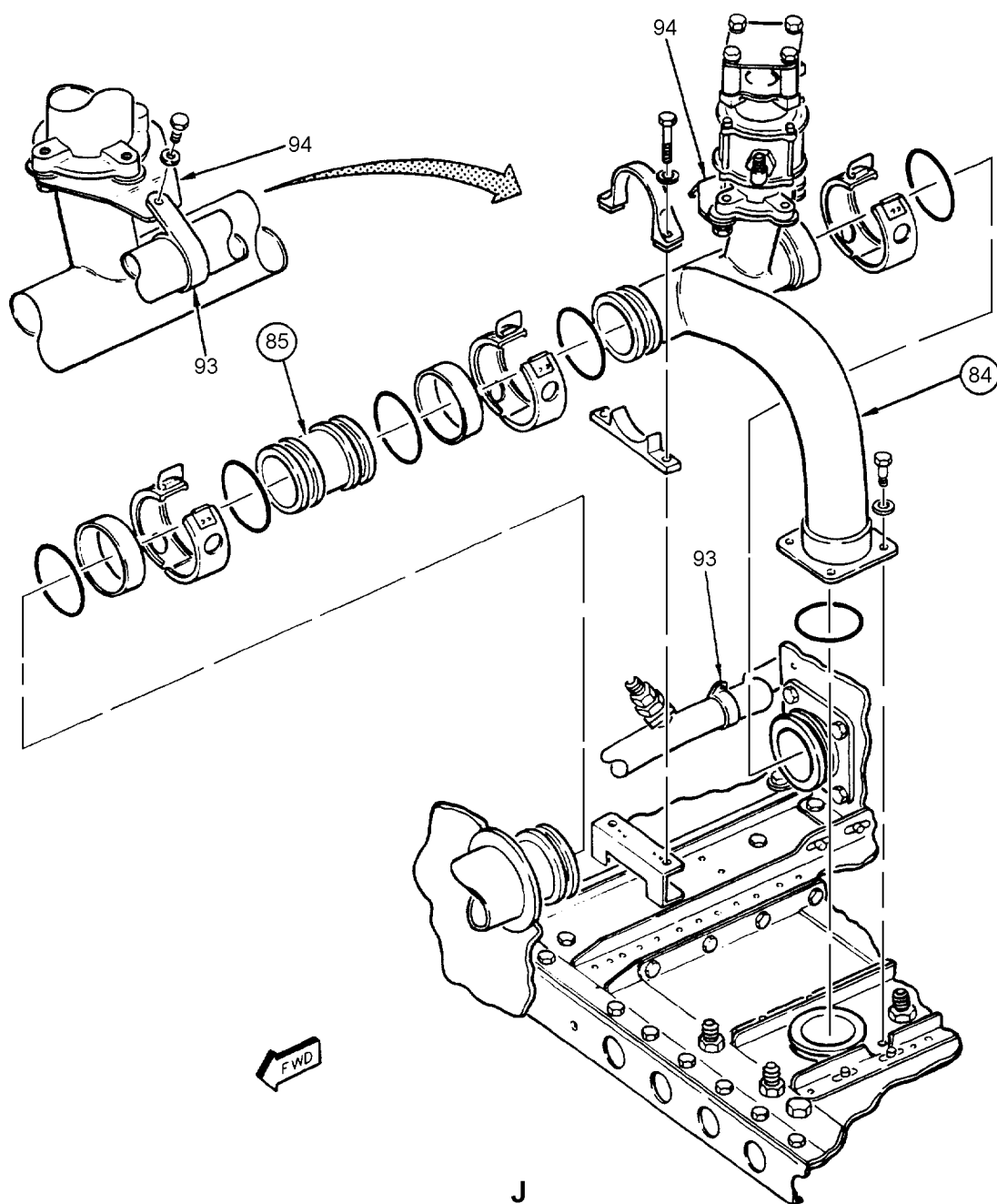
6. SEQUENCE 4.



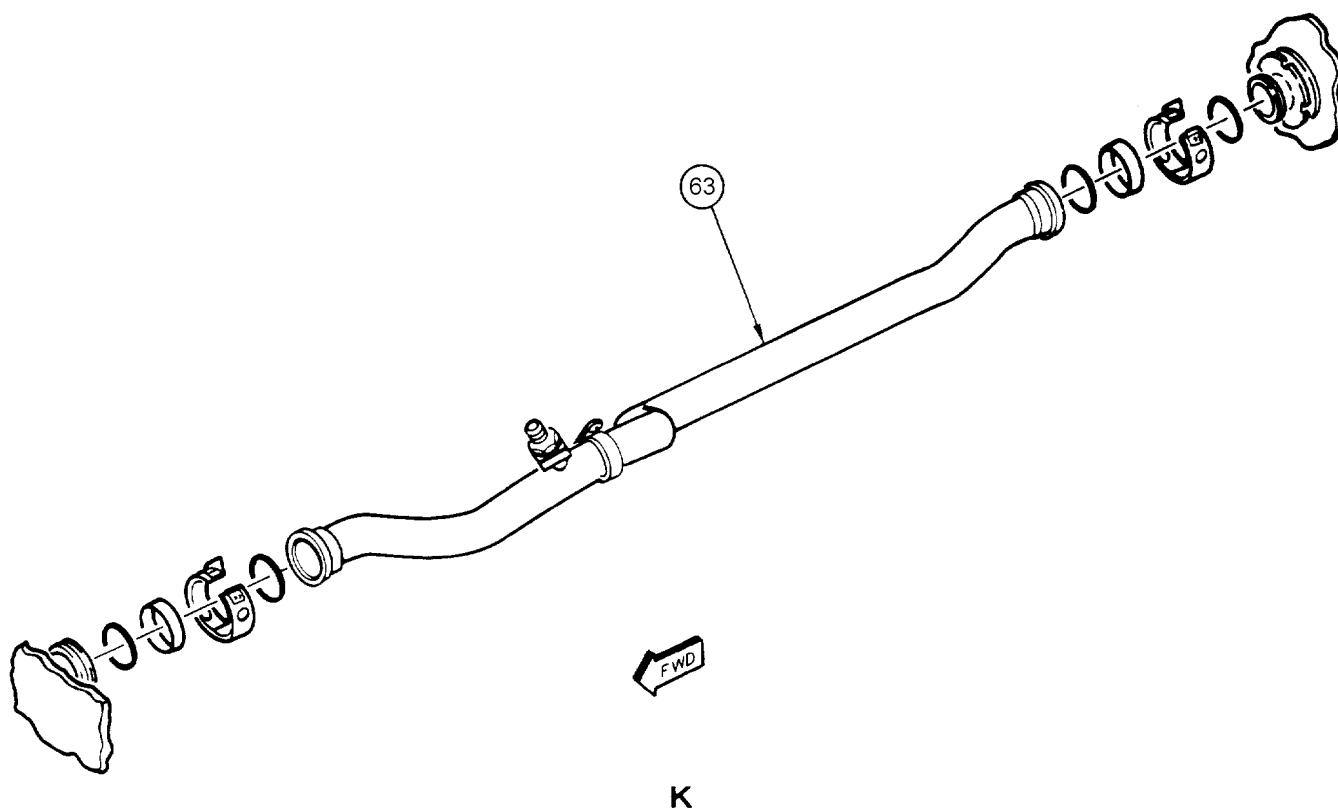
a. Disconnect clamp (93) from bracket (94).

b. Remove tube (85) and related parts.

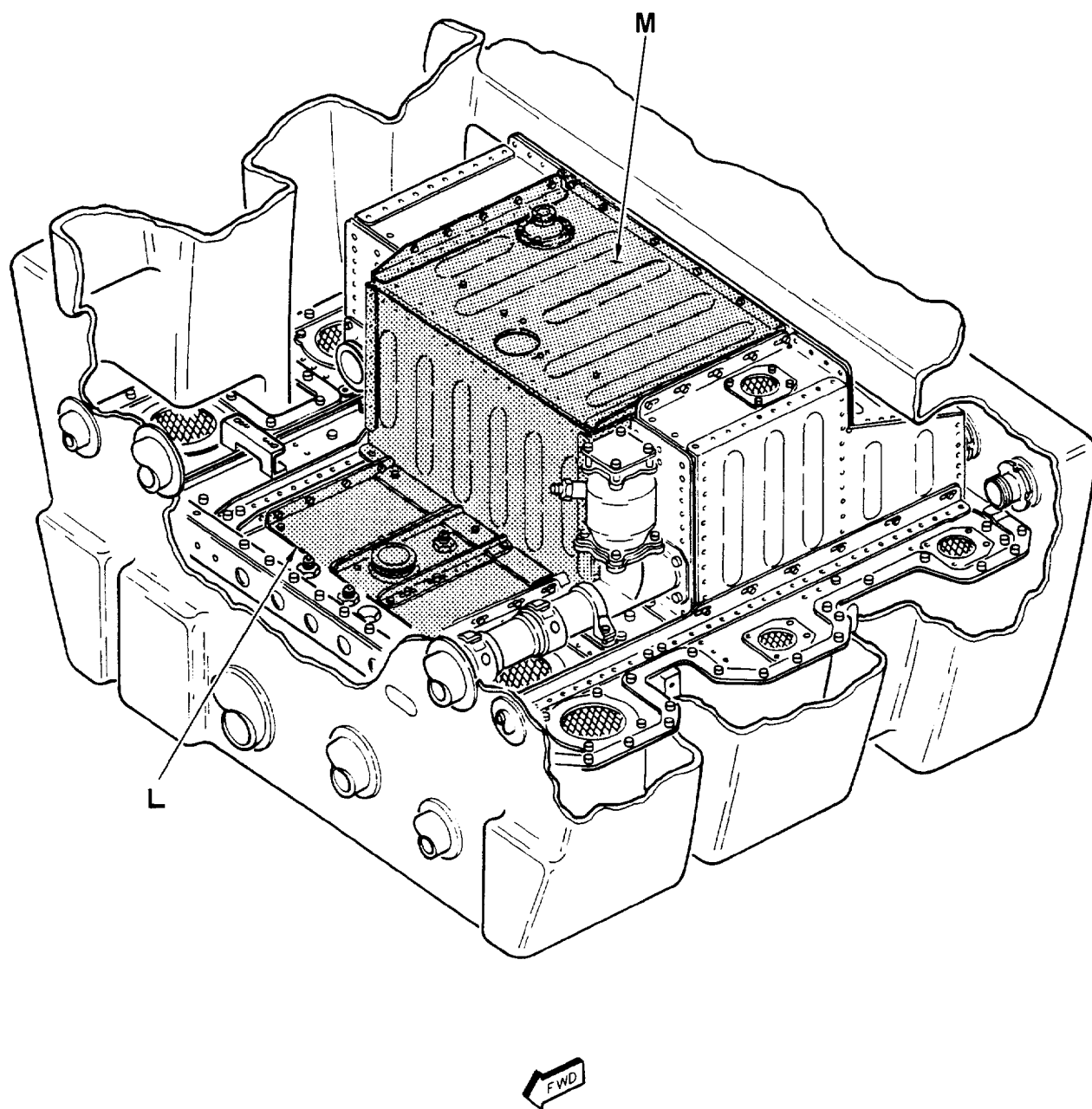
c. Remove manifold (84) and related parts.



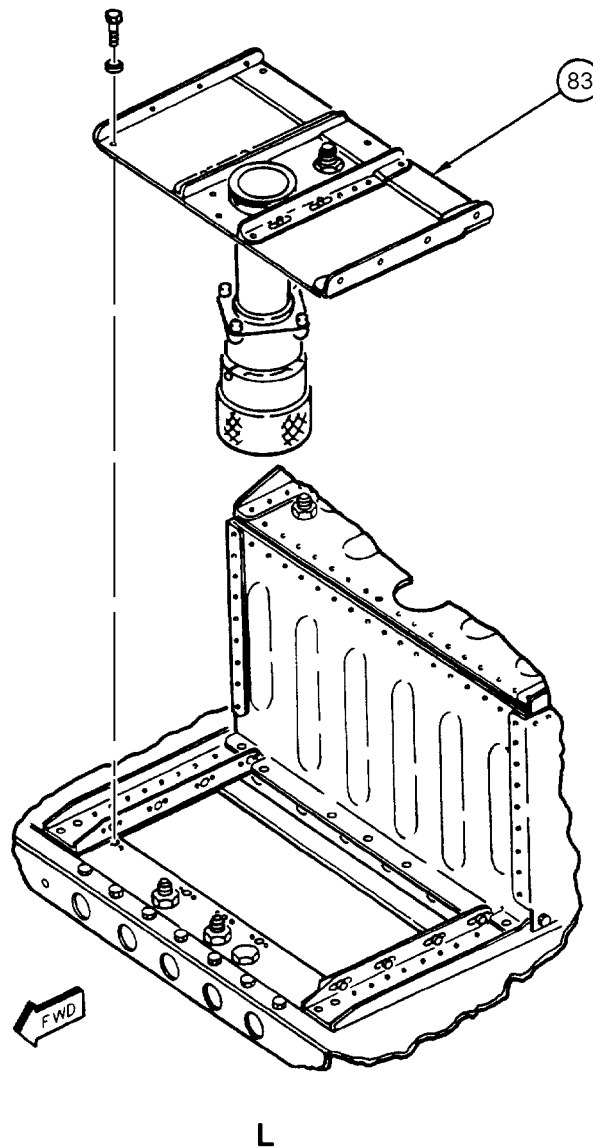
d. Remove tube (63) and related parts.



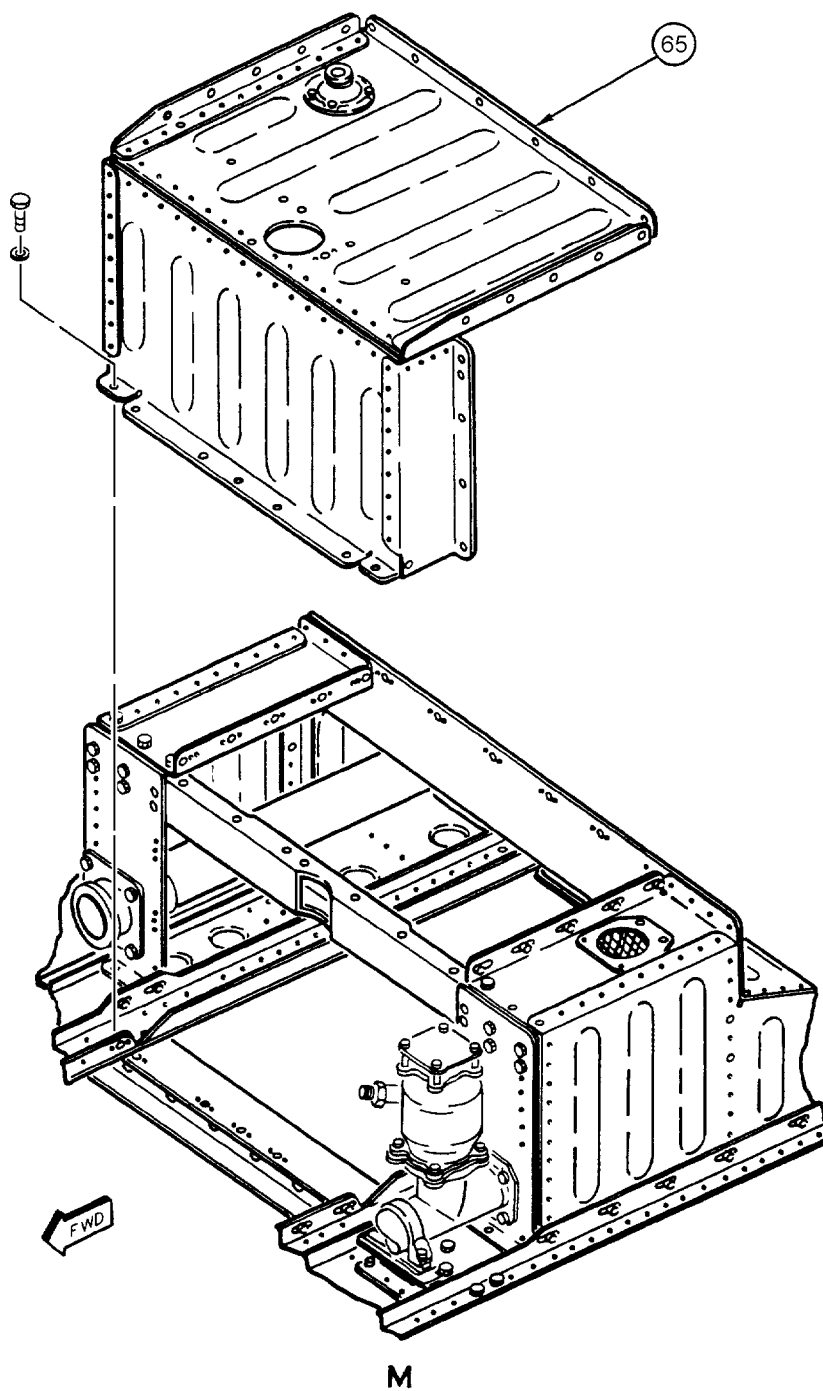
7. SEQUENCE 5.



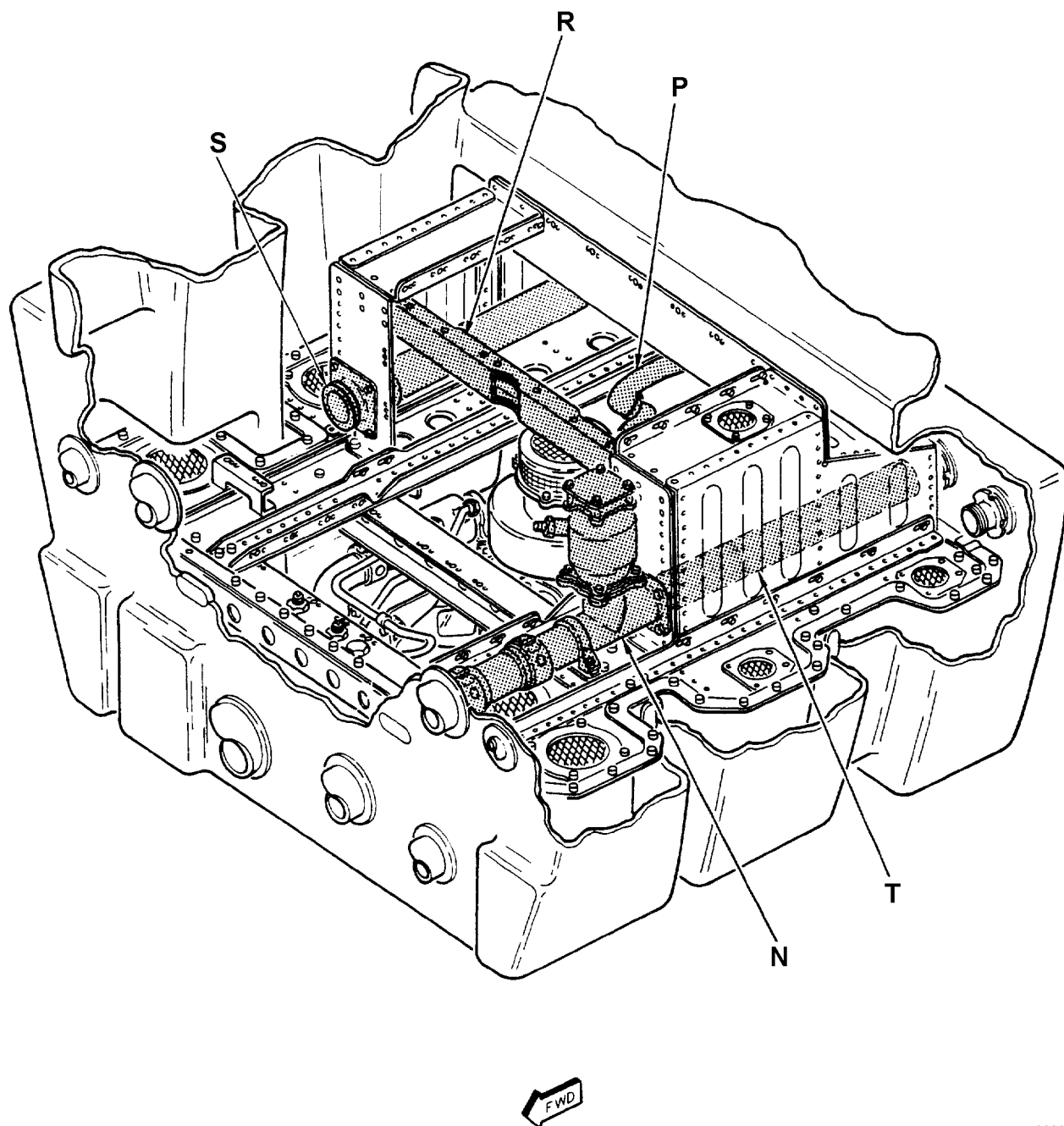
- a. Carefully remove panel (83) with defuel valve attached.



- b. Remove panel (65) and attaching parts.

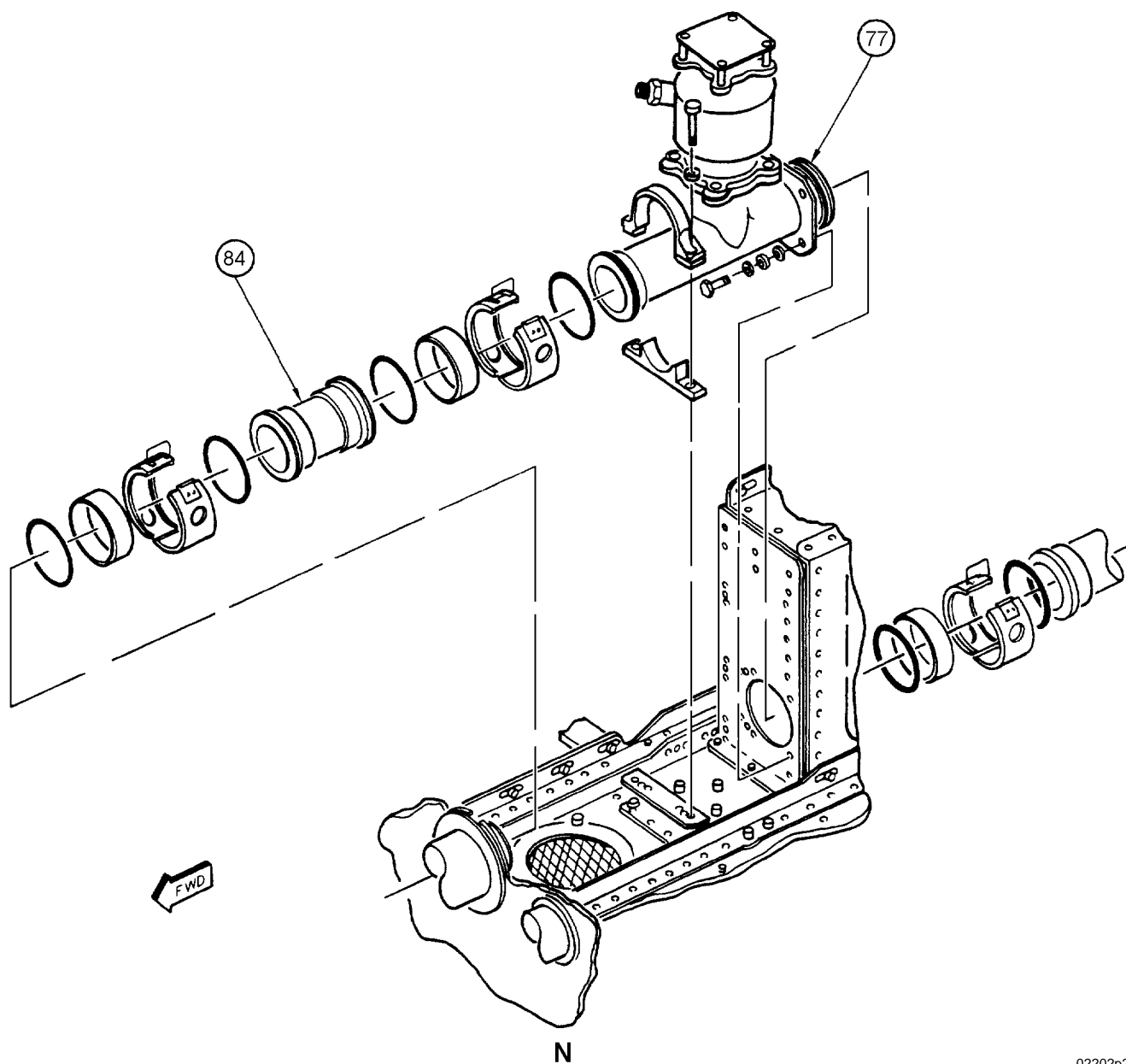


8. SEQUENCE 6.



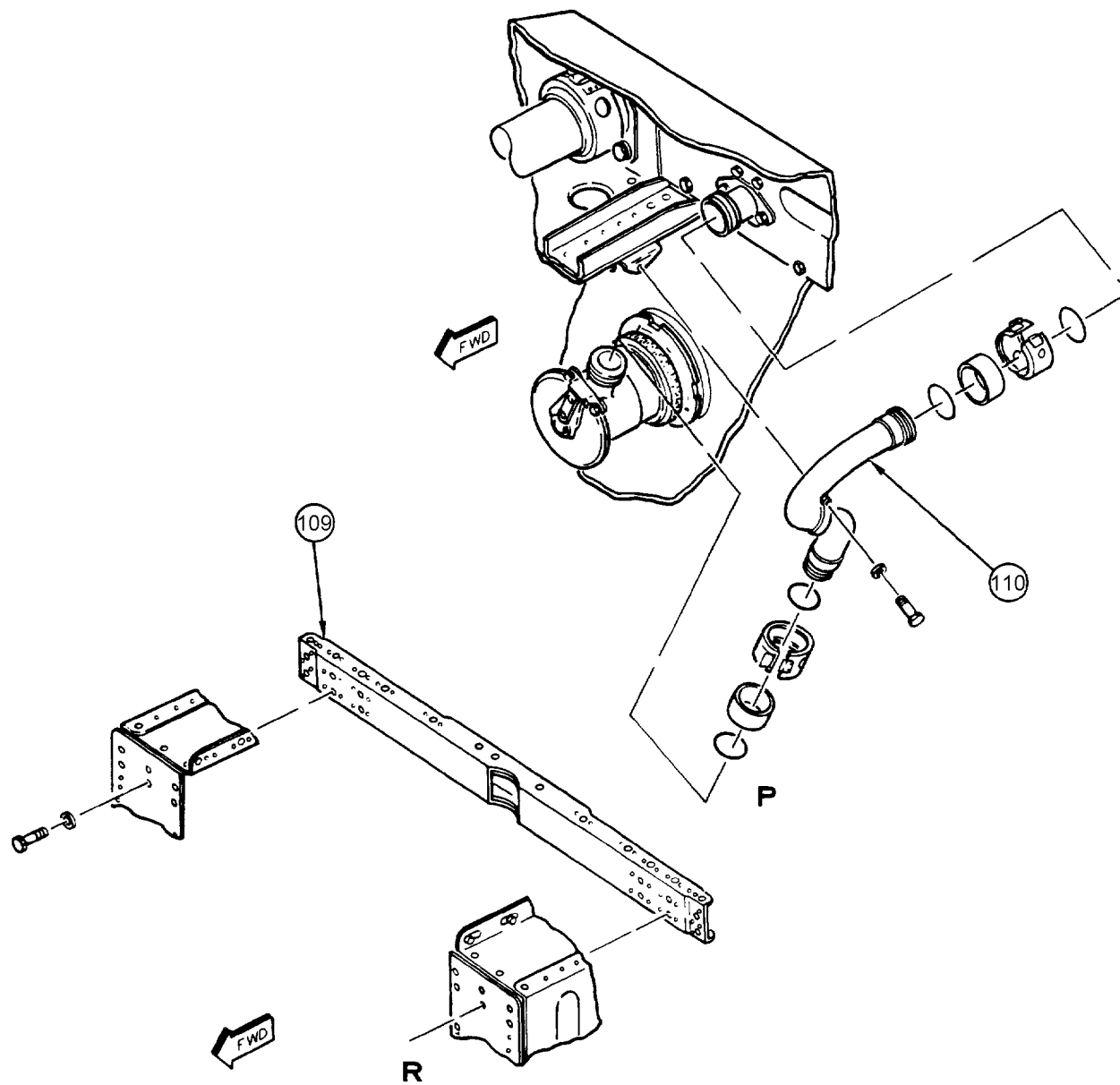
a. Remove tube (84) and related parts.

b. Remove tee (77) and related parts.

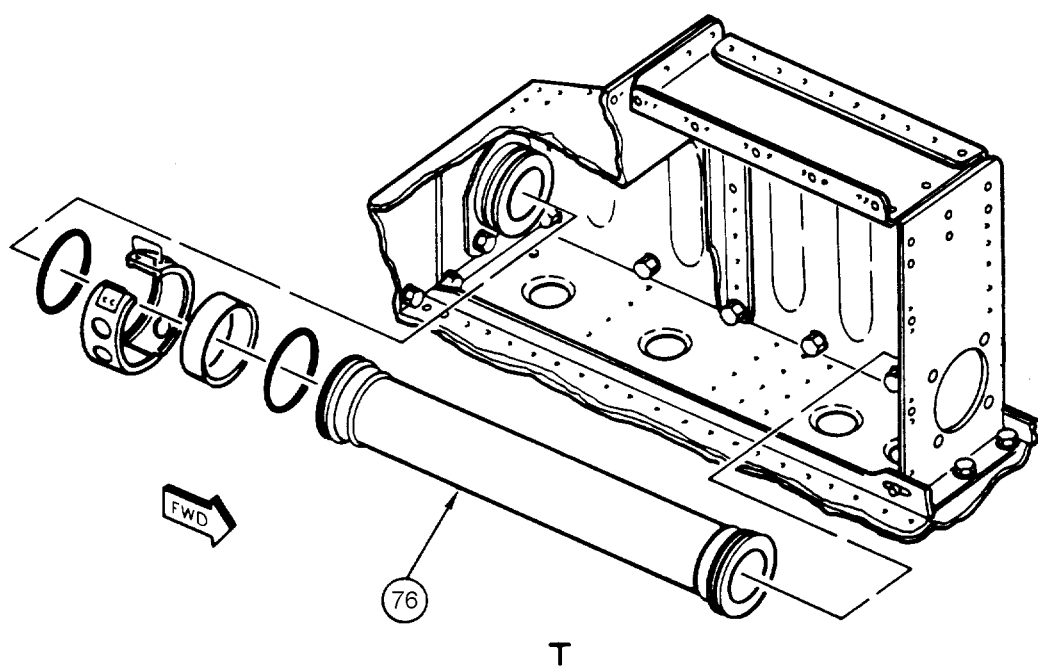
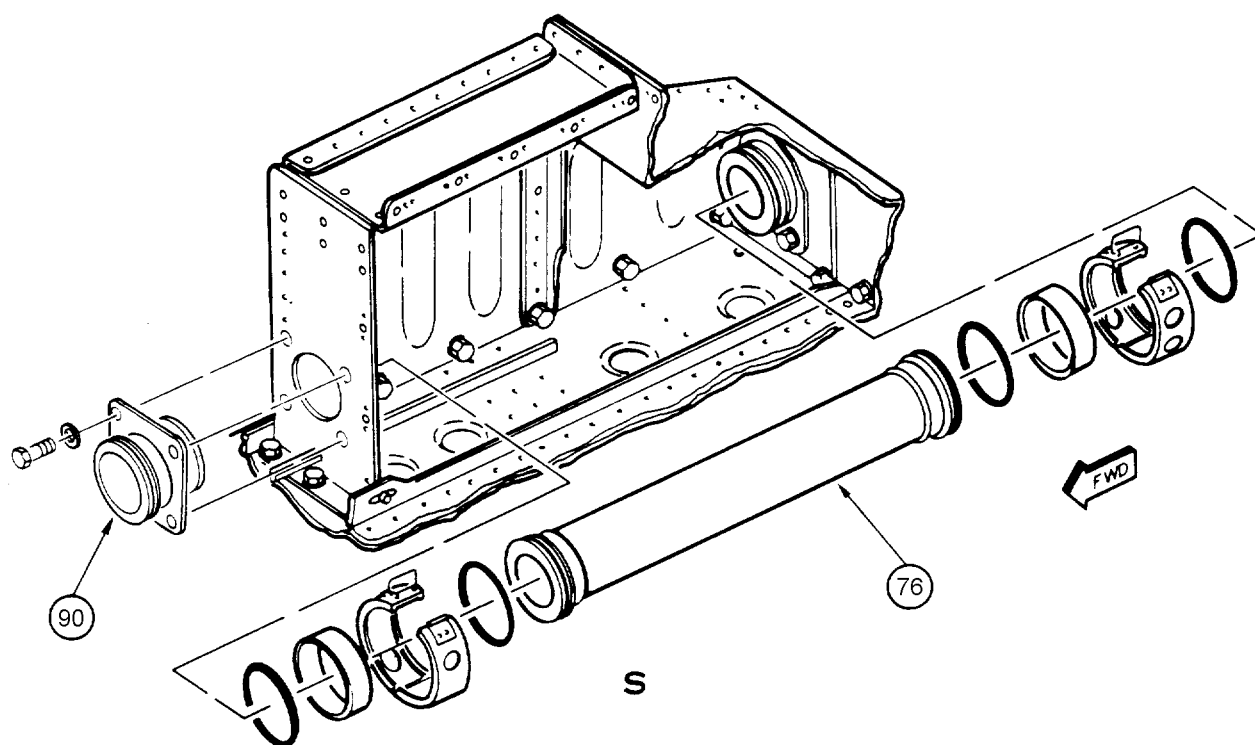


c. Remove stiffener (109) and attaching parts.

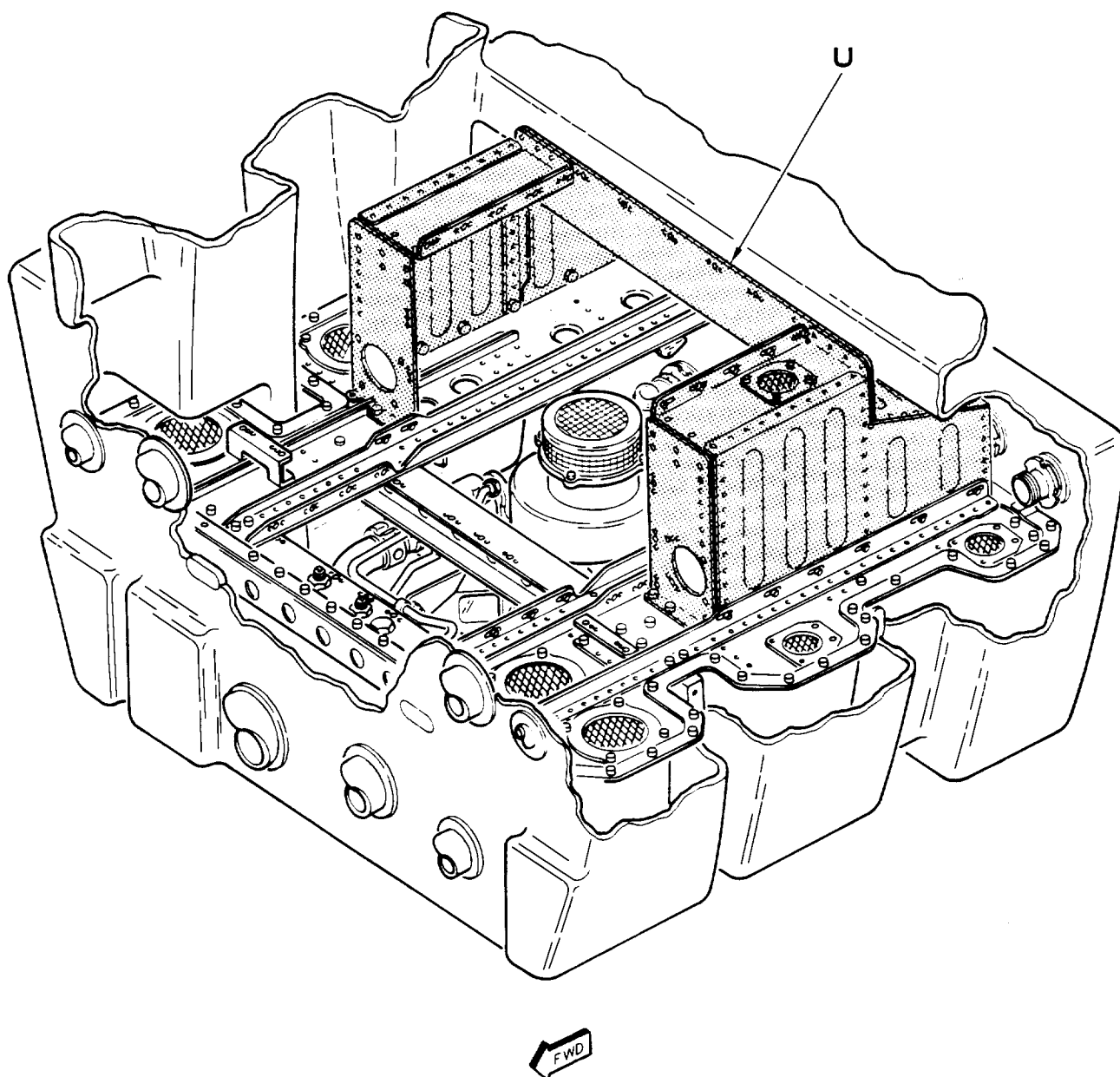
d. Remove tube (110) and related parts.



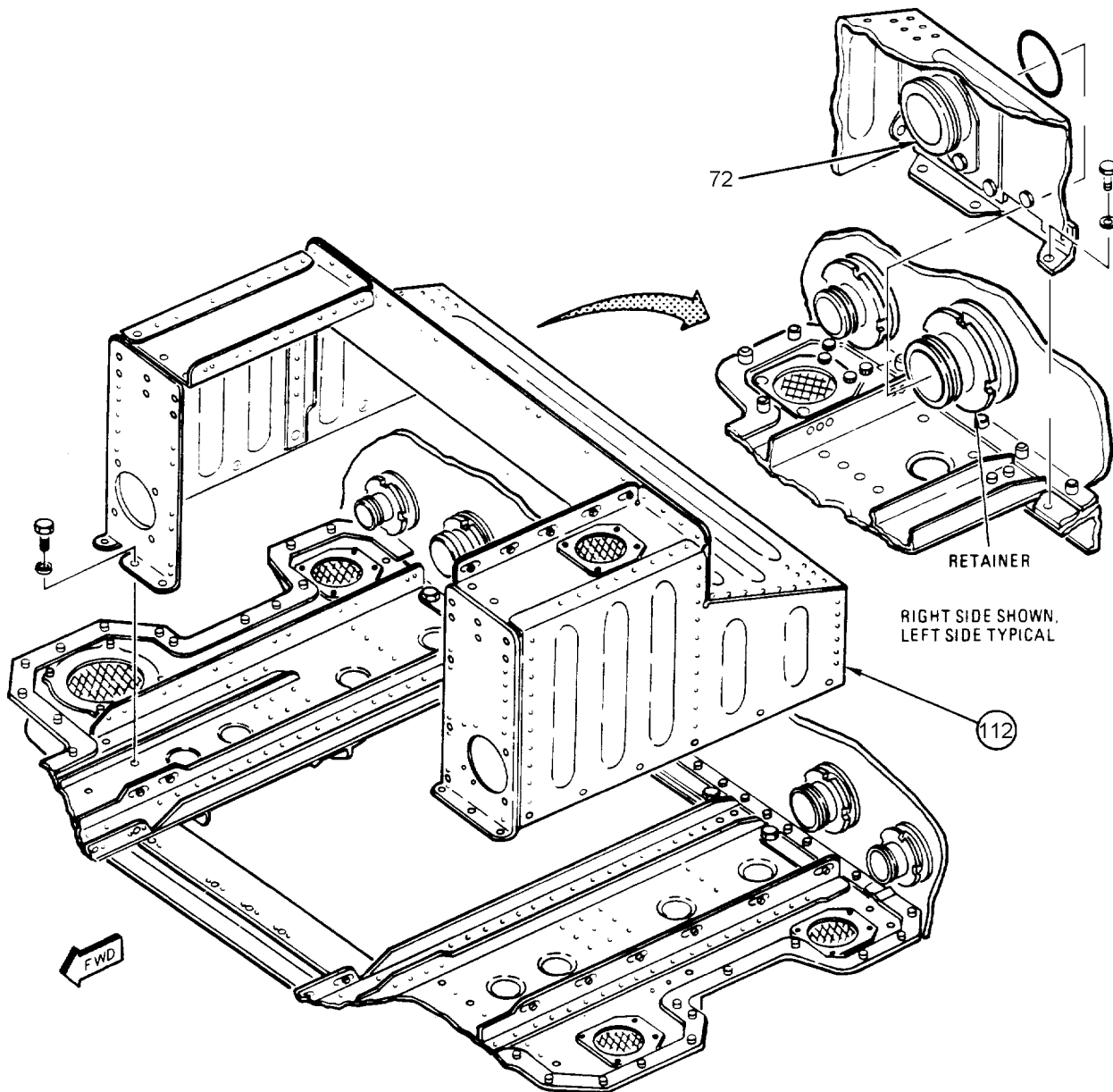
e. Remove tubes (76), connector (90) and related parts.



9. SEQUENCE 7.

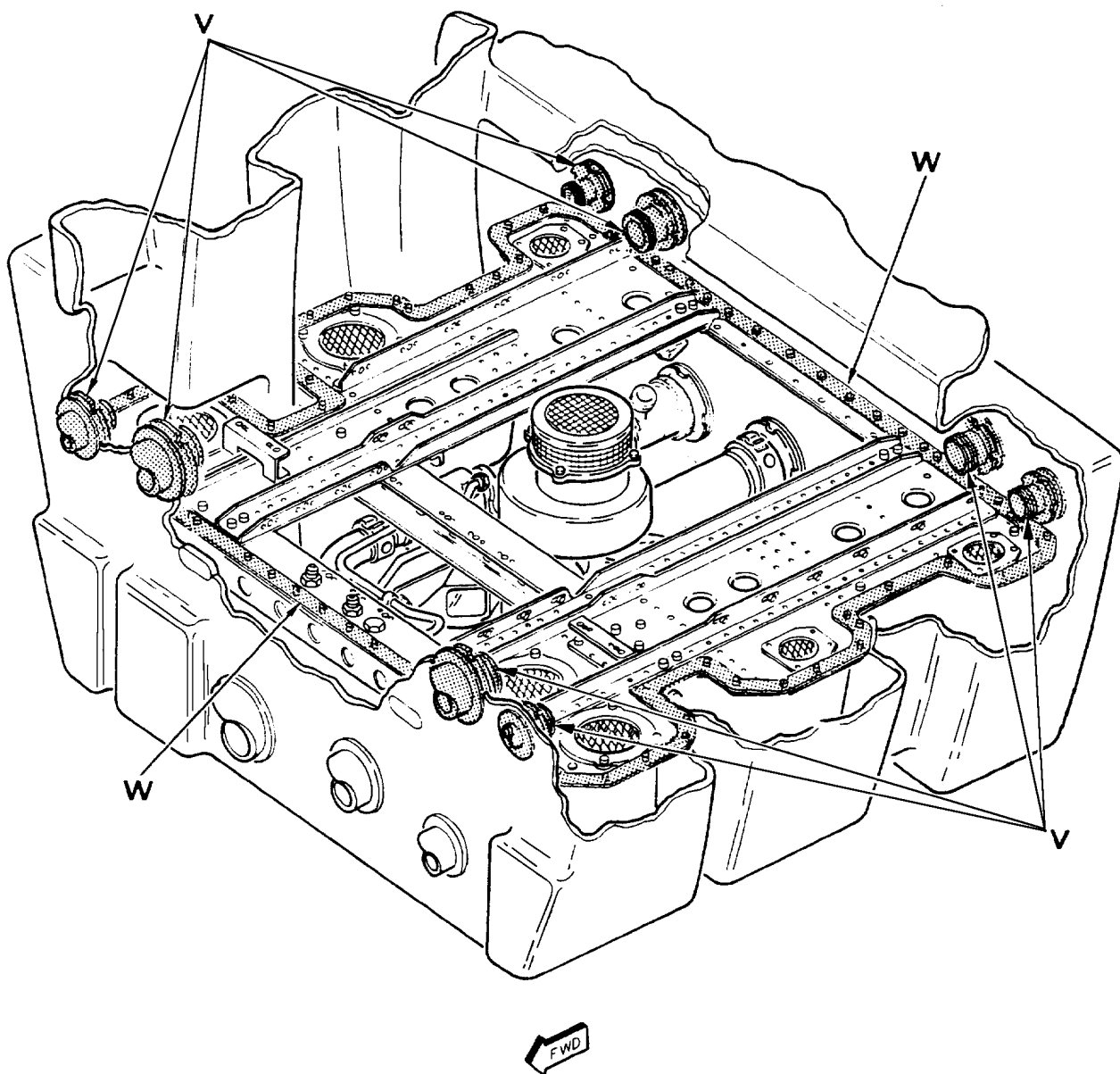


- a. Remove attaching parts from upper assembly (112).
- b. Slide upper assembly (112) forward to disengage retainers from connectors (72) and remove upper assembly (112).

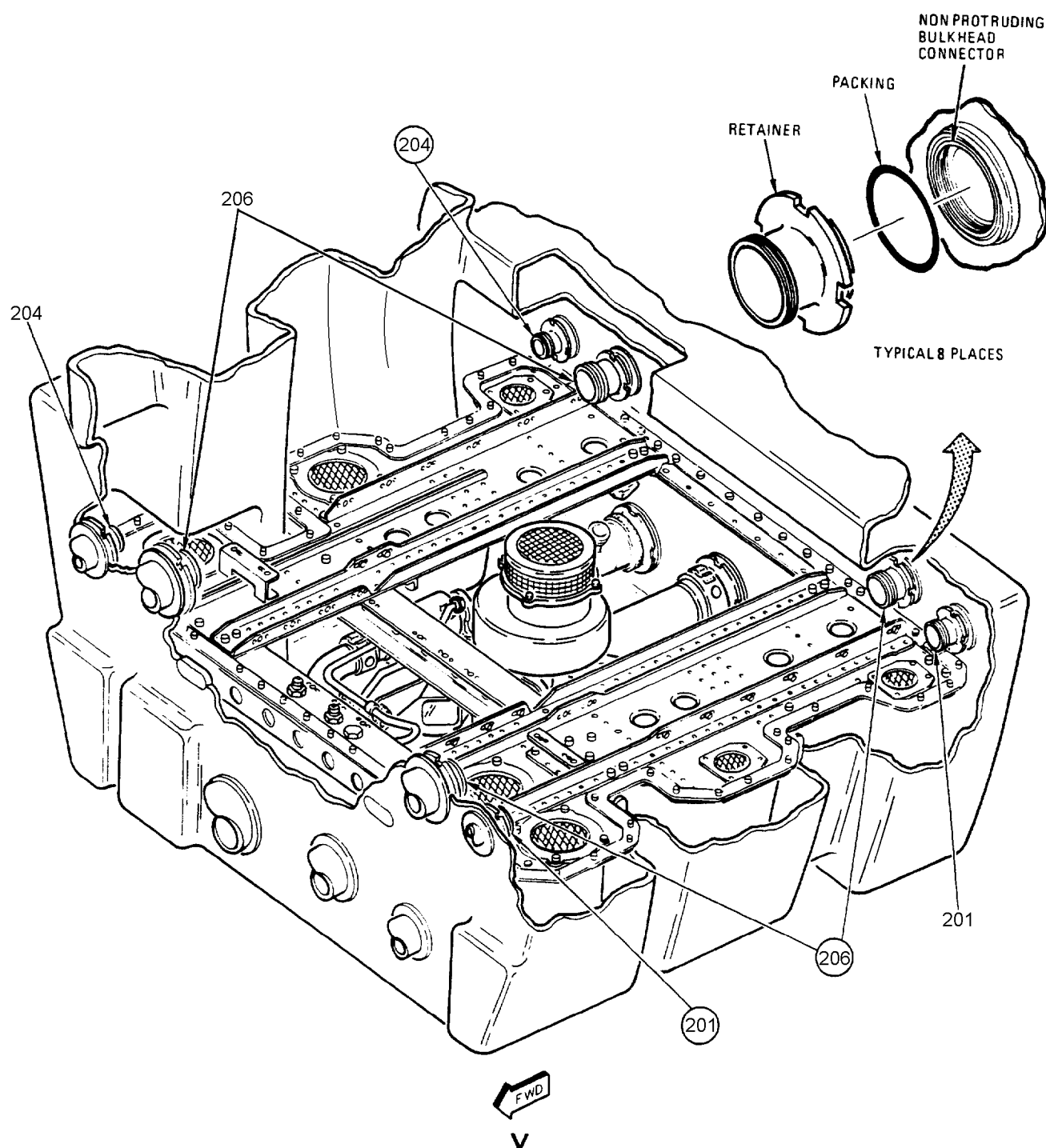


U

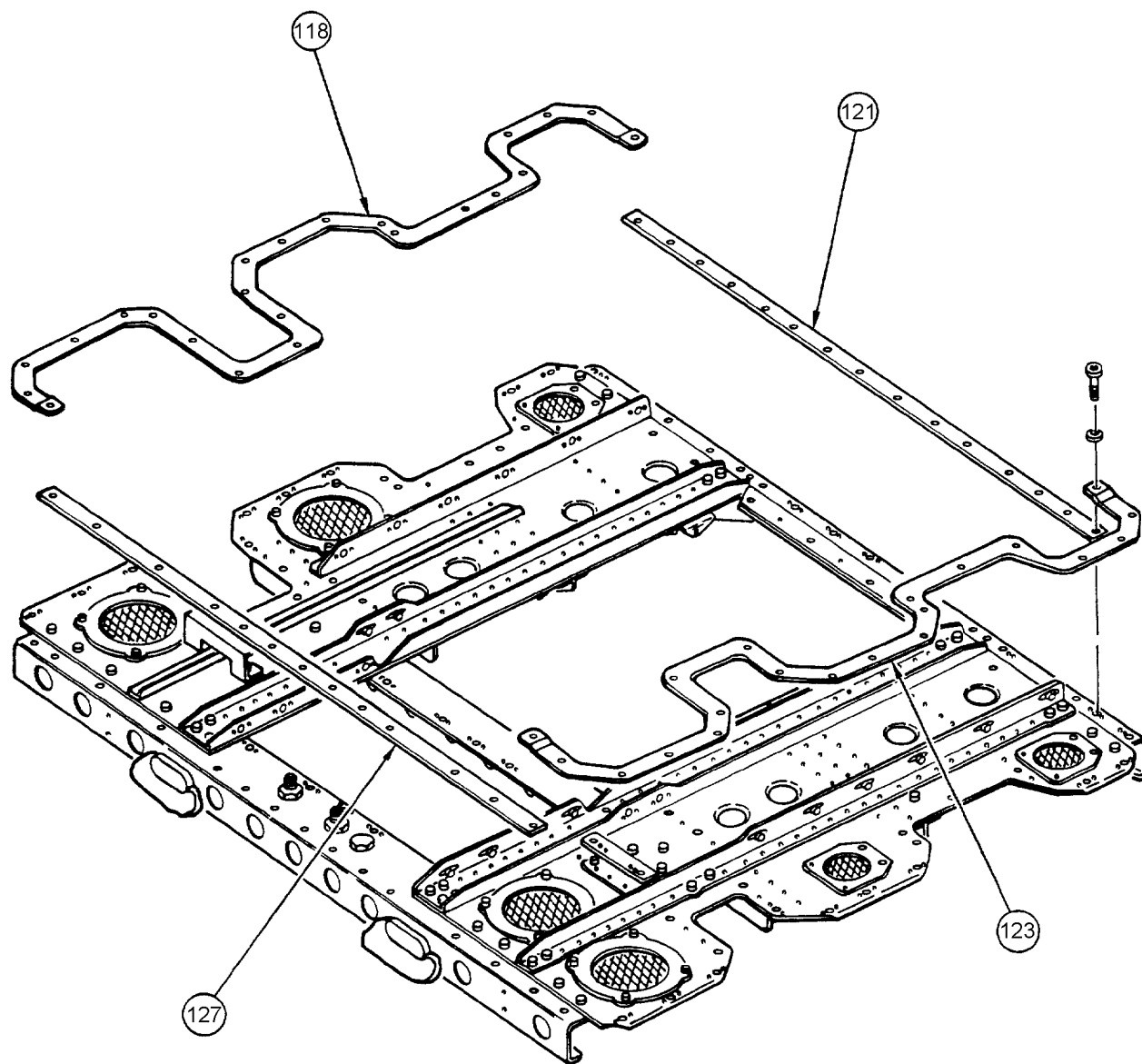
10. SEQUENCE 8.



- a. Remove retainers (201, 204 and 206).

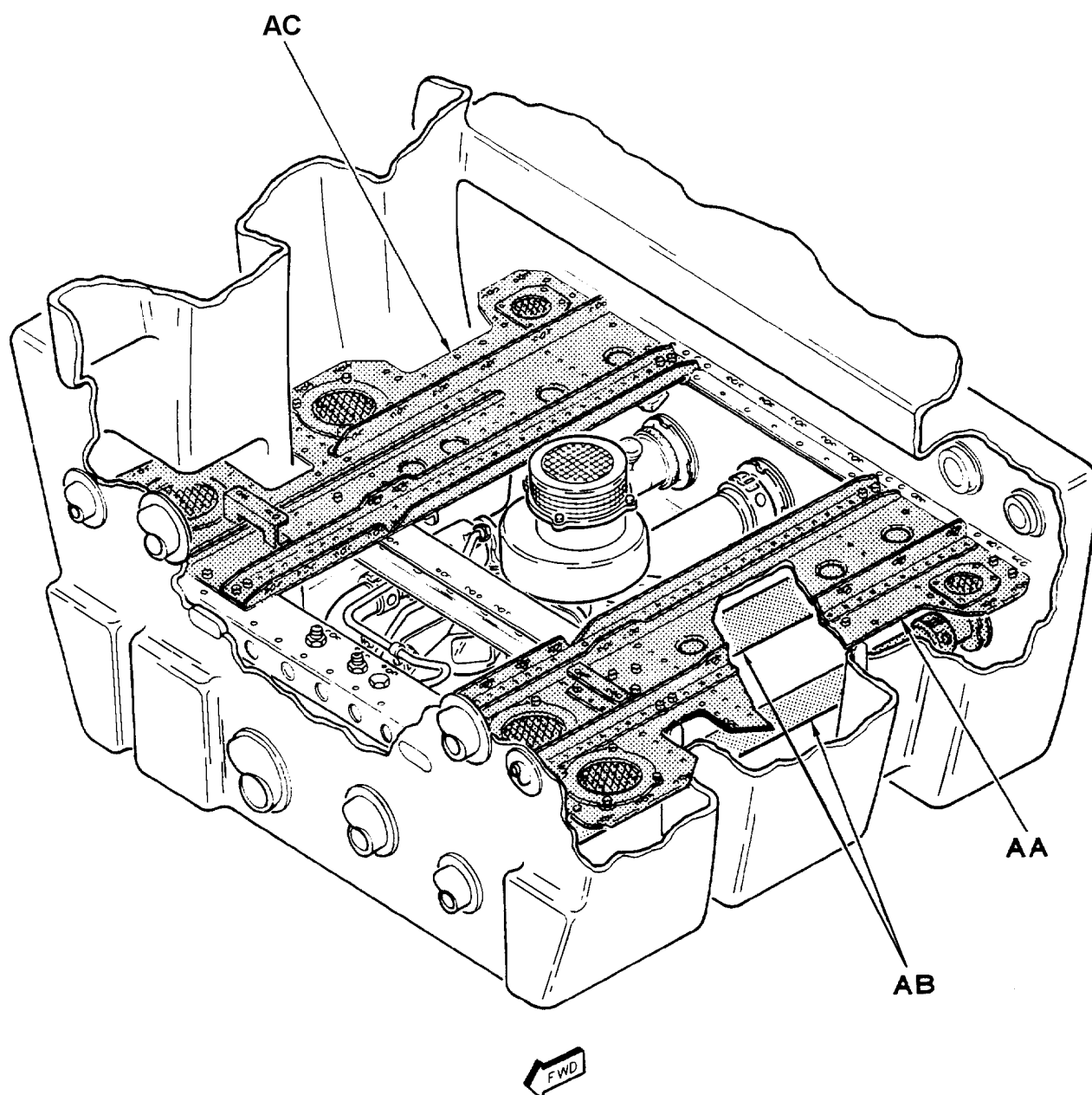


b. Remove retainers (118, 121, 123 and 127) and attaching parts.



W

11. SEQUENCE 9.



a. Remove nuts (128) and washers attaching bracket (115) to bulkhead.



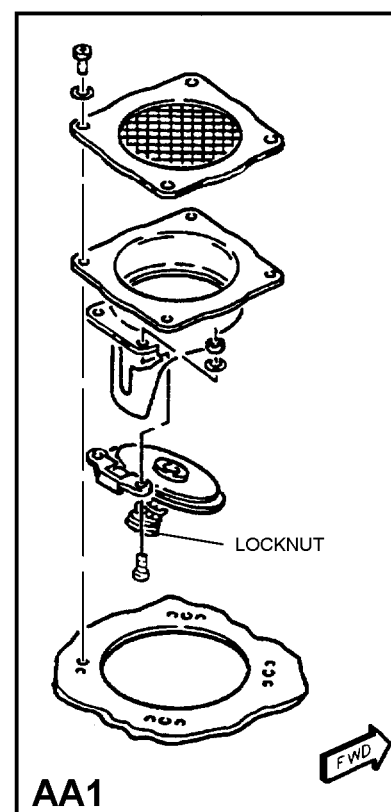
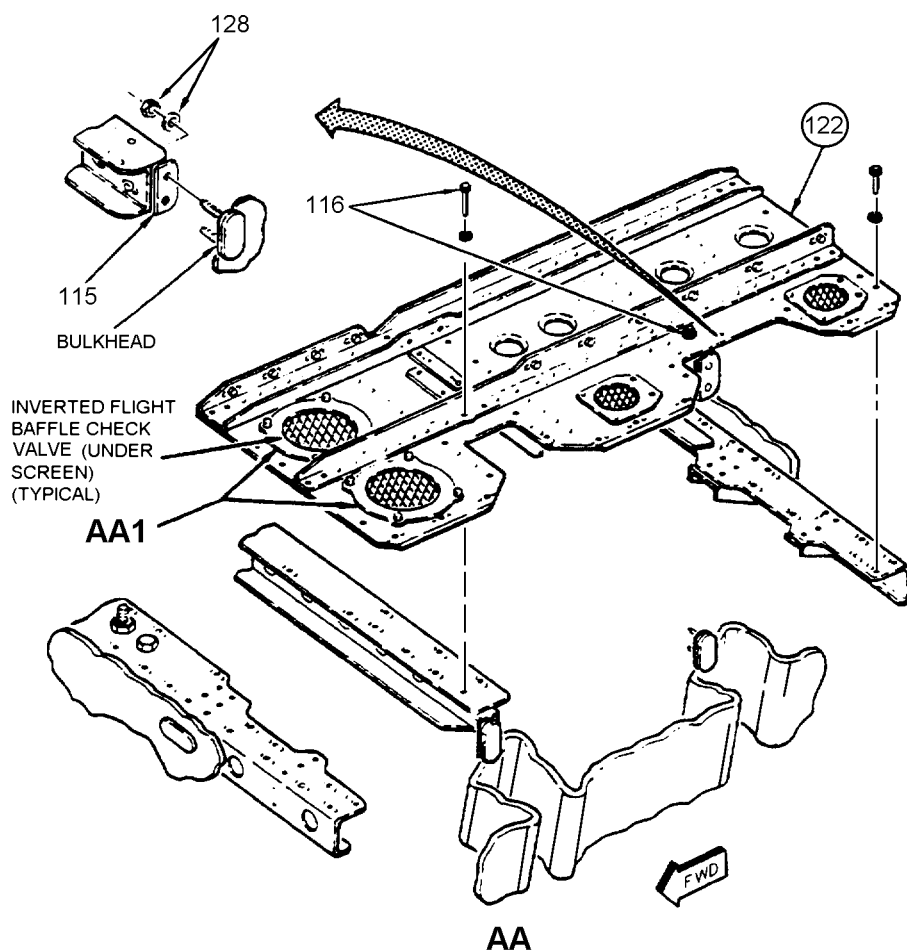
Remove web carefully to avoid damaging tank or components.

Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

b. Remove forward bolt (116) and washer, and web (122) attaching parts.

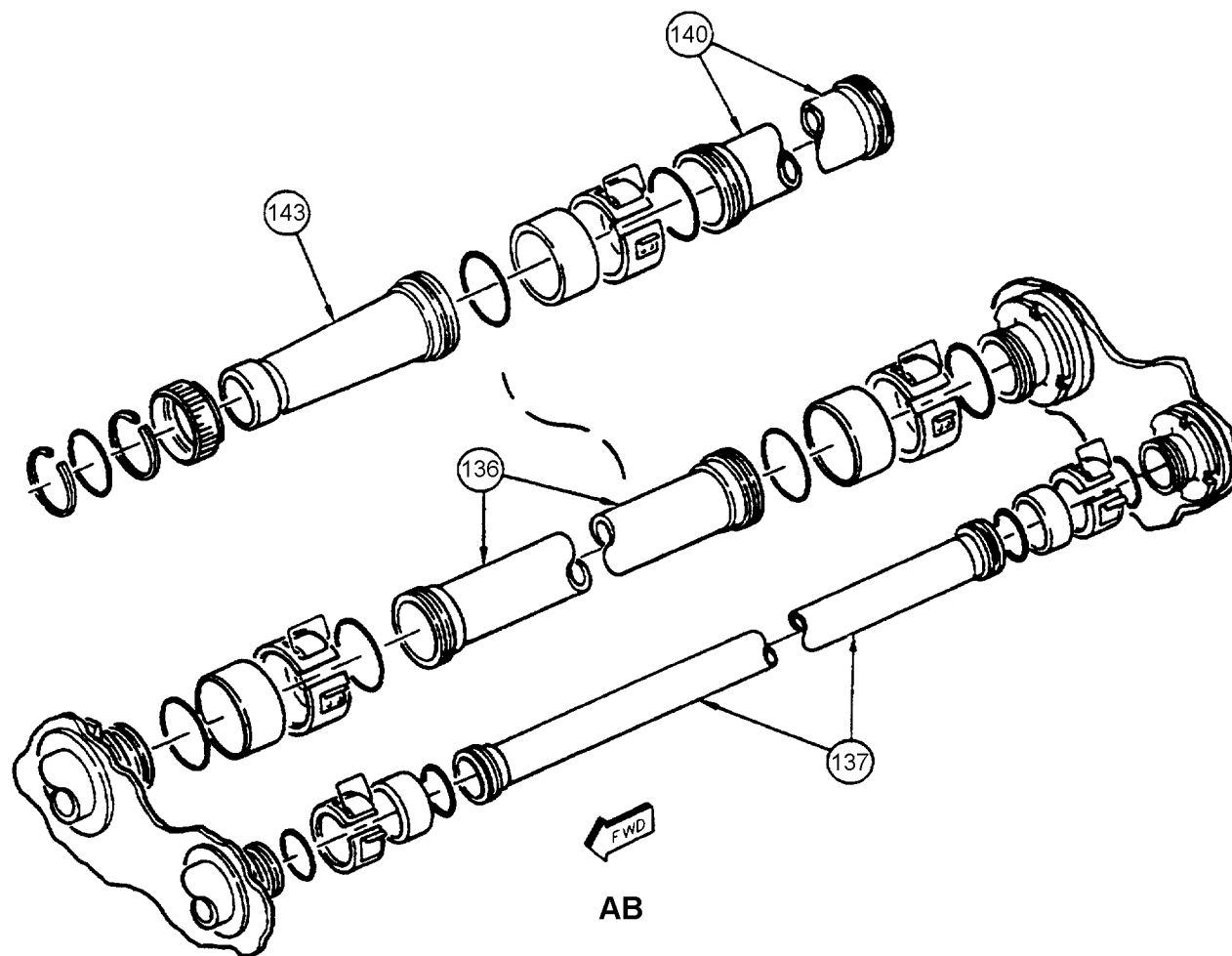
c. Disengage web (122) from bulkhead and remove.

d. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view AA1.



e. Remove applicable tubes (136, 137, 140 and 143) and related parts.

f. Remove nuts (128) and washers attaching bracket (119) to bulkhead.





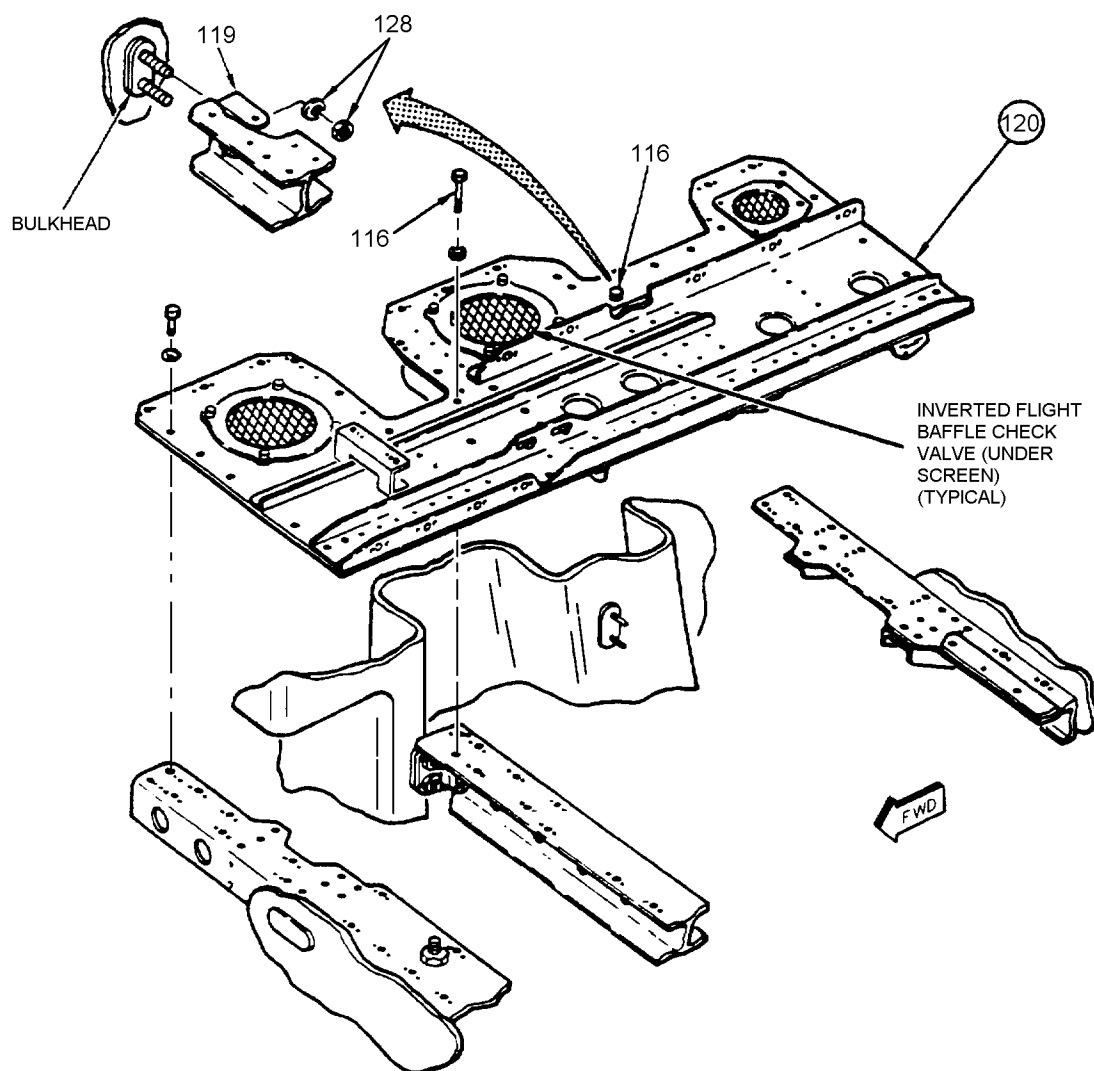
Remove web carefully to avoid damaging tank or components.

Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

g. Remove forward bolt (116) and washer, and web (120) attaching parts.

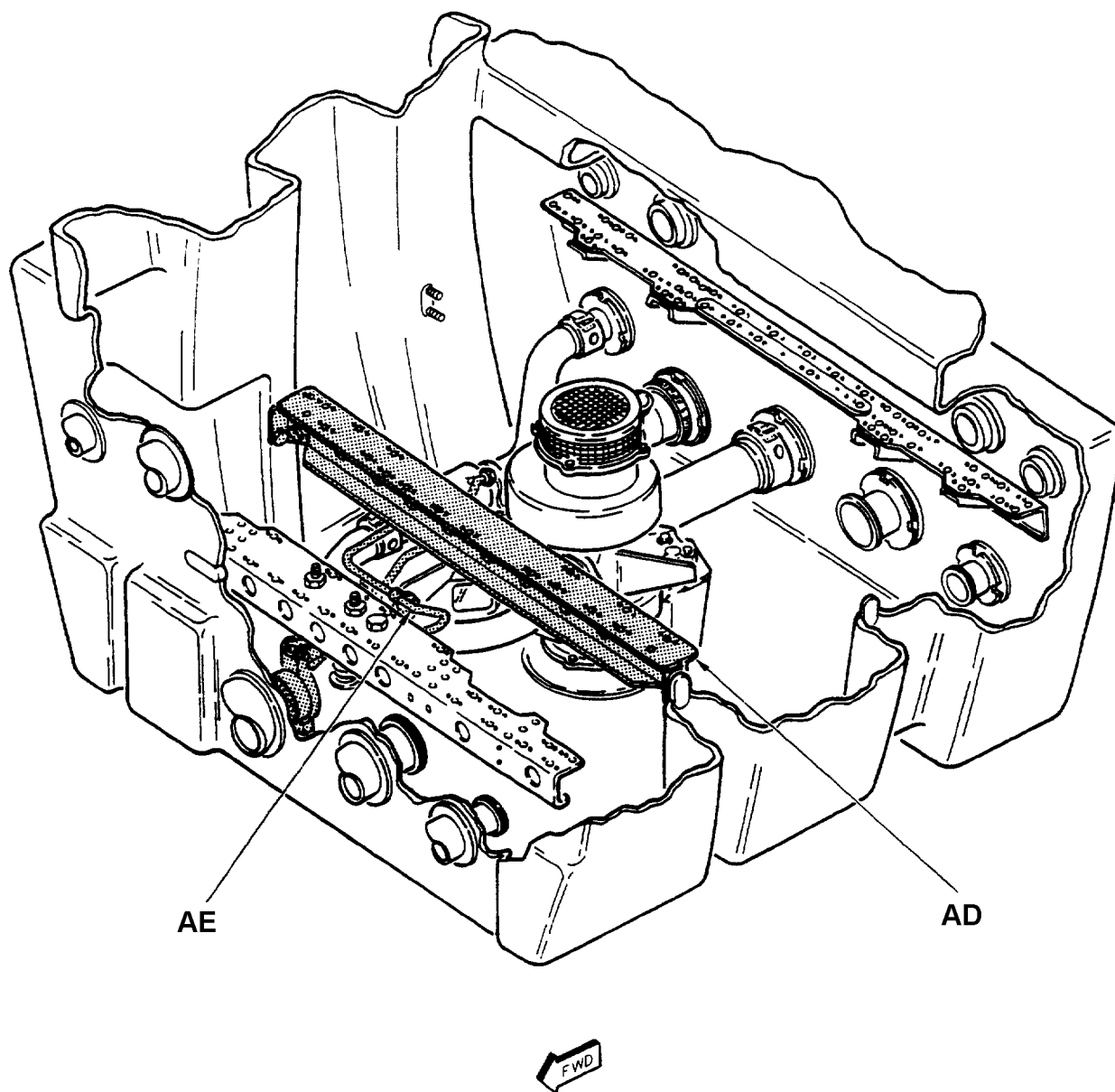
h. Disengage web (120) from bulkhead and remove.

i. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view AA1.



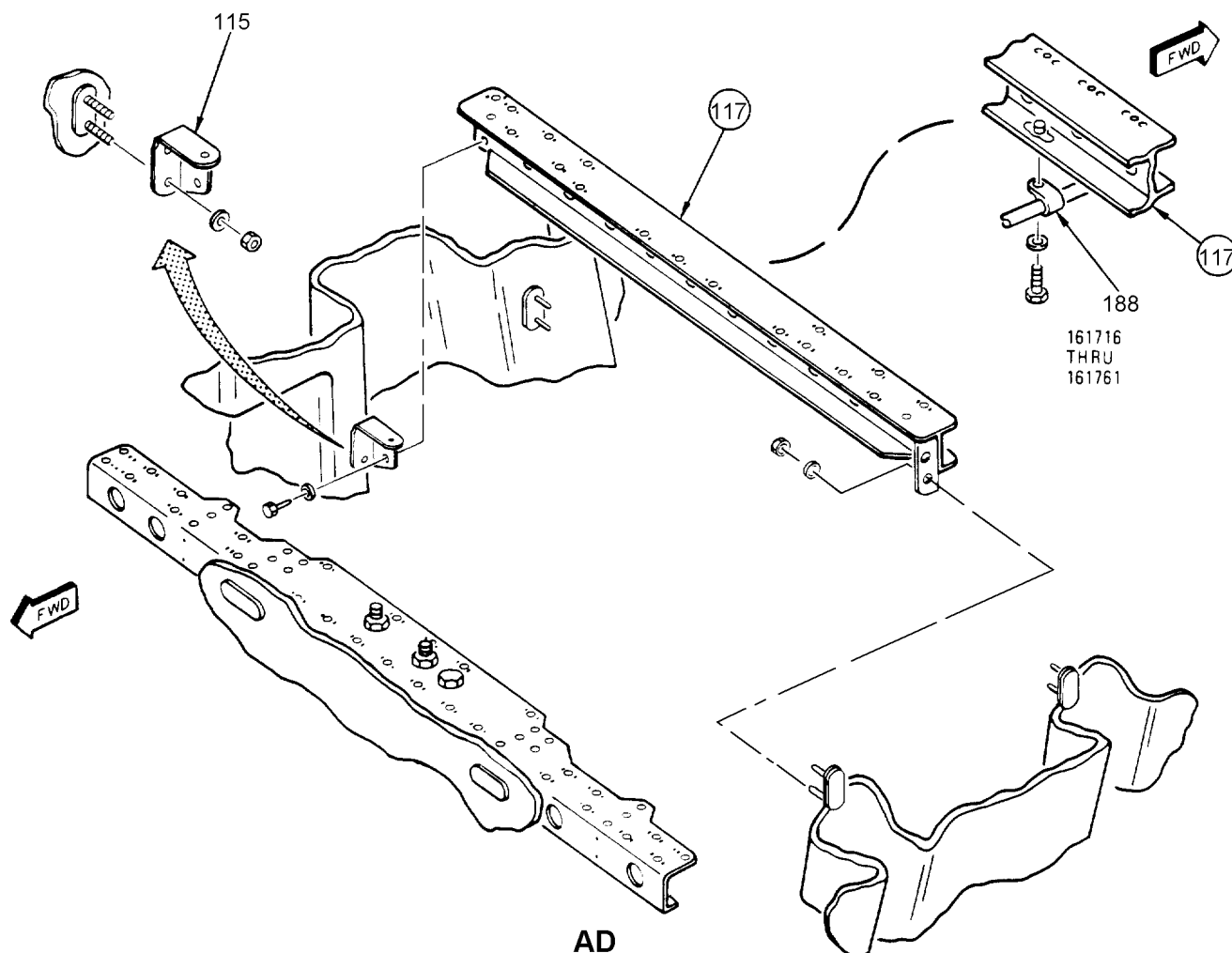
AC

12. SEQUENCE 10.



a. On 161716 THRU 161761, disconnect clamp (188) from channel (117).

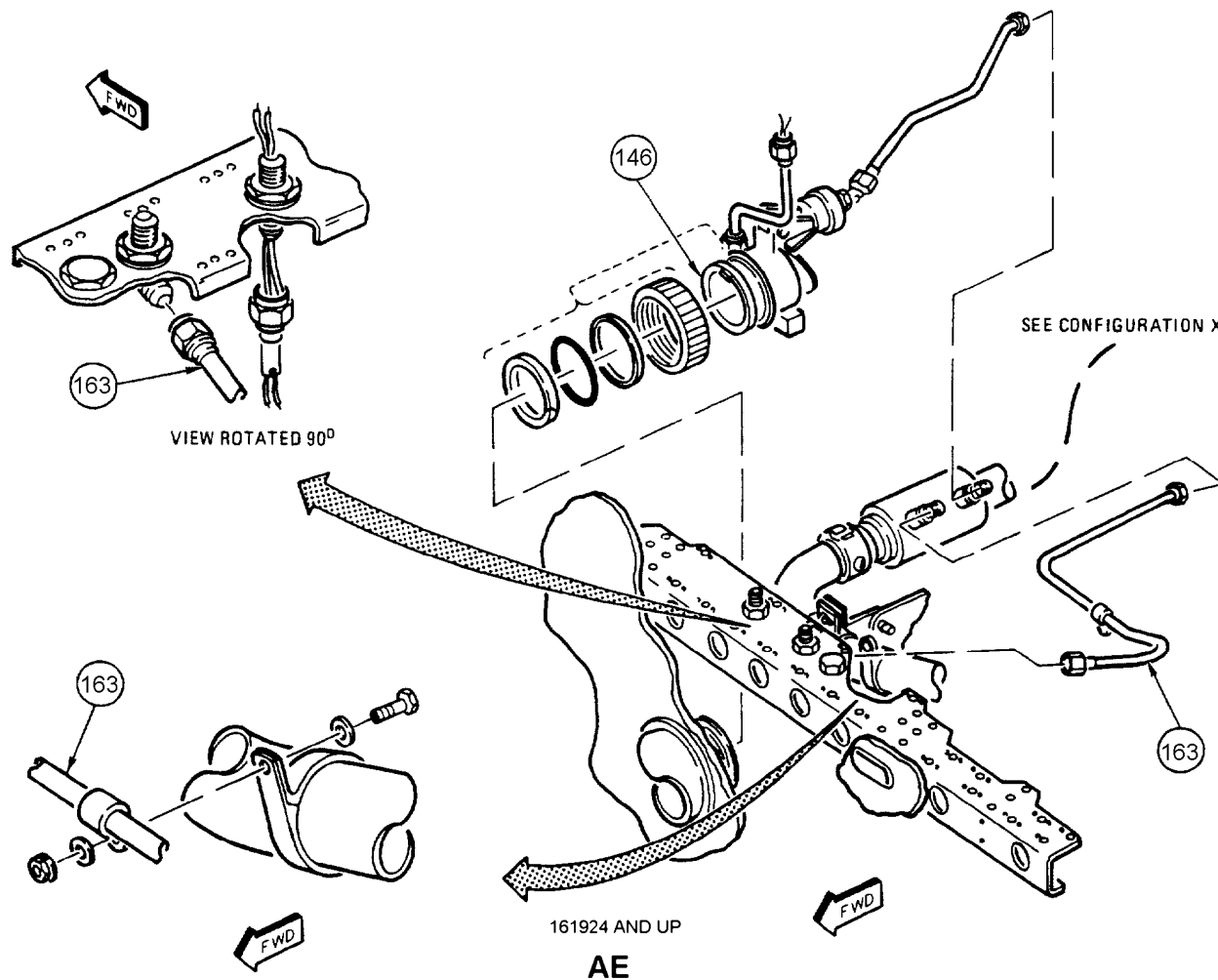
b. Remove bracket (115), channel (117) and attaching parts.



c. On 161924 AND UP, do substeps below:

(2) Remove valve (146) and related parts.

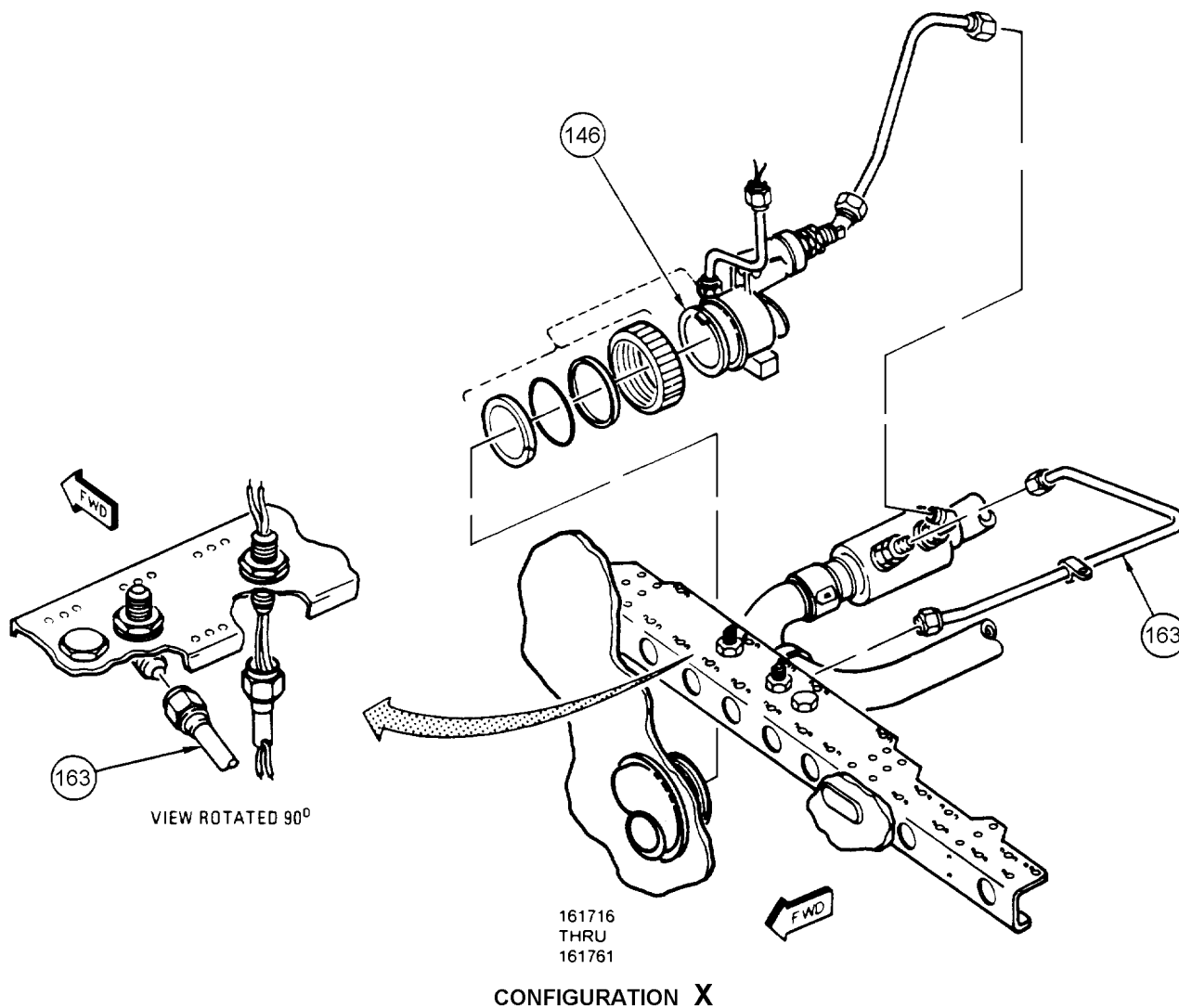
(1) Remove tube (163).



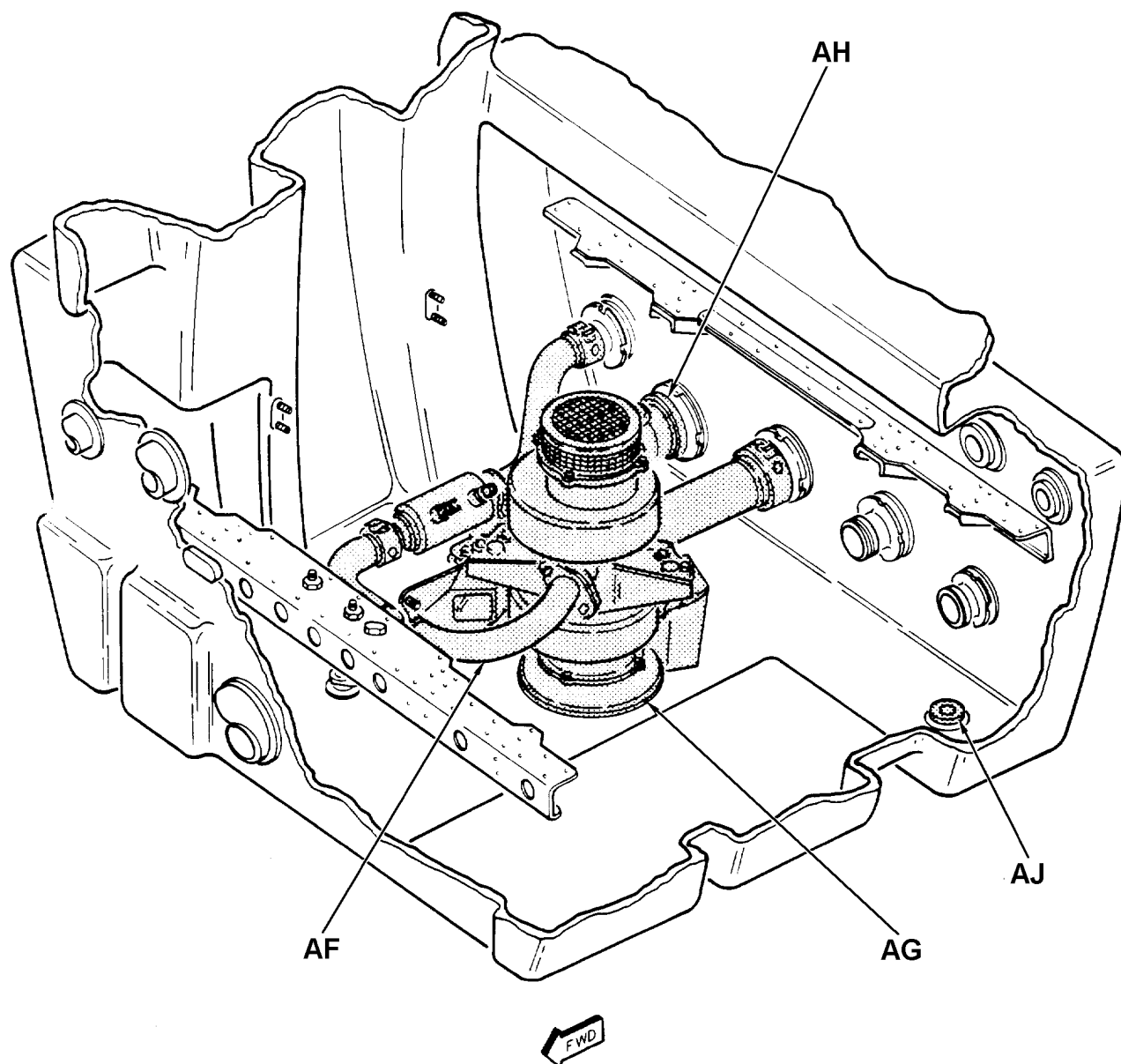
d. On 161716 THRU 161761, do substeps below:

(2) Remove valve (146) and related parts.

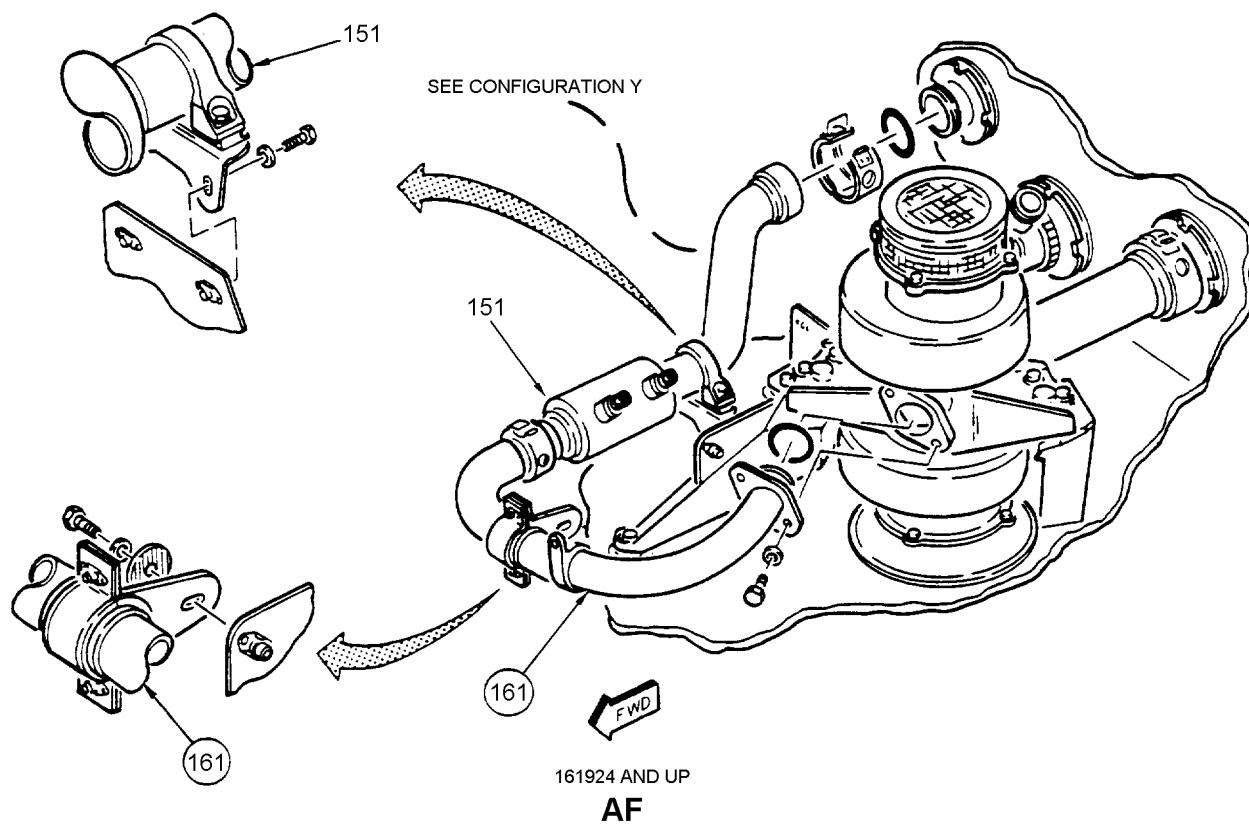
(1) Remove tube (163).



13. SEQUENCE 11.



- a. On 161924 AND UP, remove tube (161) and wash filter (151) assembly with related parts.



b. On 161924 AND UP, do substeps below:

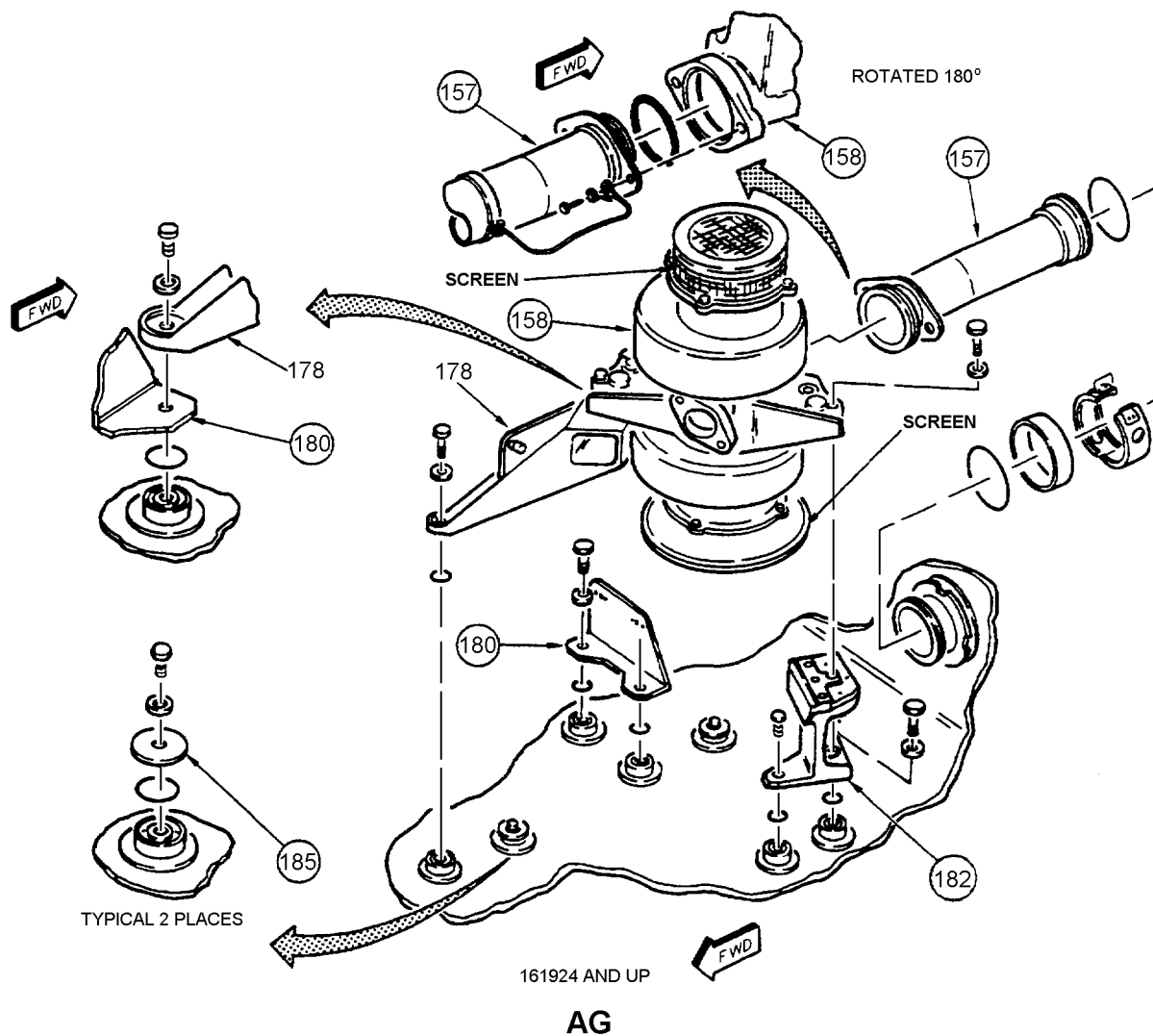
(1) Remove tube (157) and related parts.

(2) Disconnect bracket (178) at tank floor and remove boost pump (158) attaching parts from bracket (182). Remove boost pump (158) and bracket (178) as an assembly.

(3) Inspect screens on boost pump (158) for damage.

(4) Remove brackets (180 and 182) and related parts.

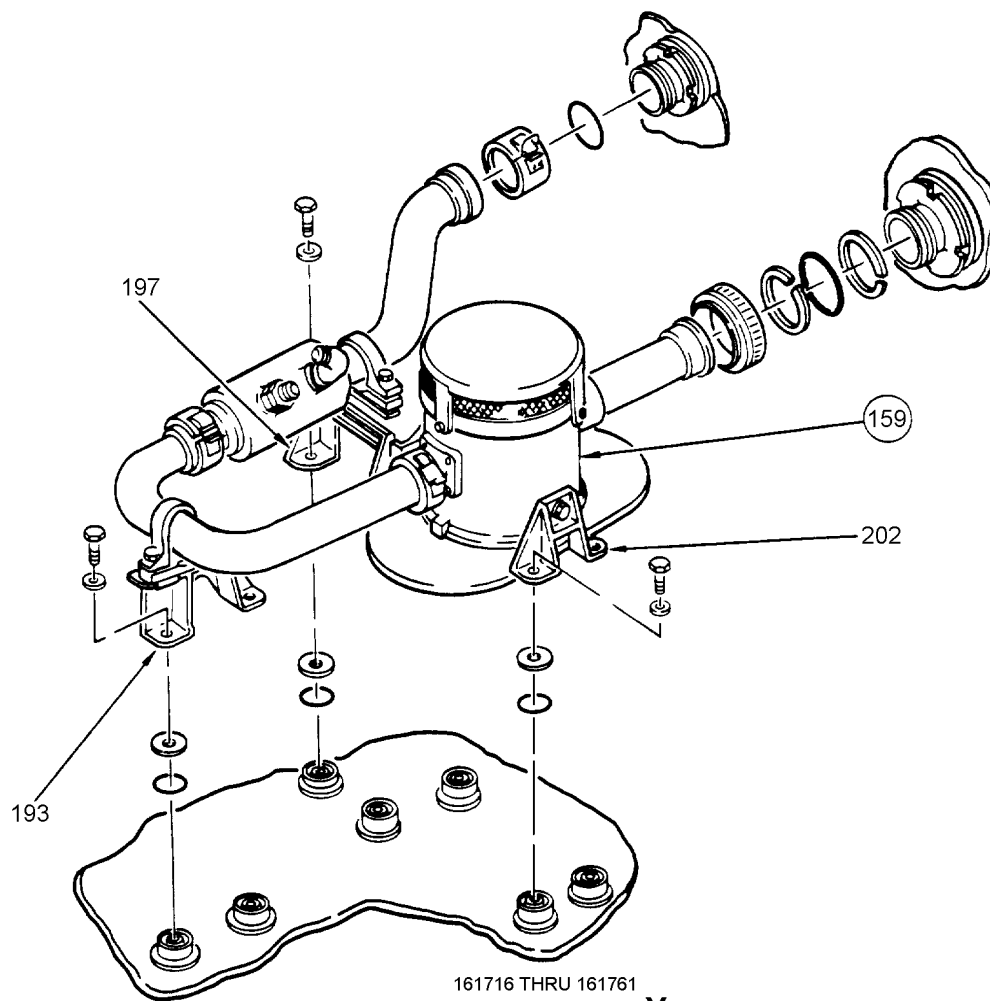
(5) Remove washers (185) and related parts.



c. On 161716 THRU 161761, do substeps below:

(1) Remove attaching parts from supports (189, 193 and 197).

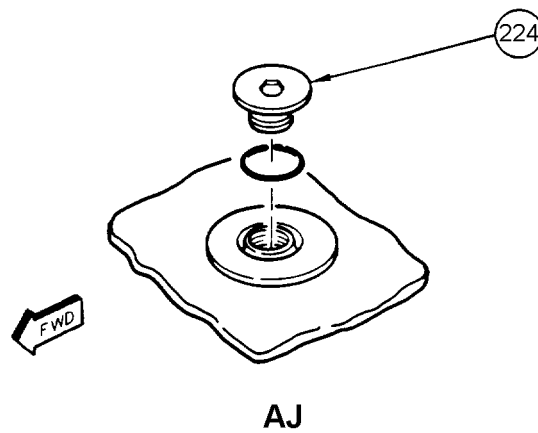
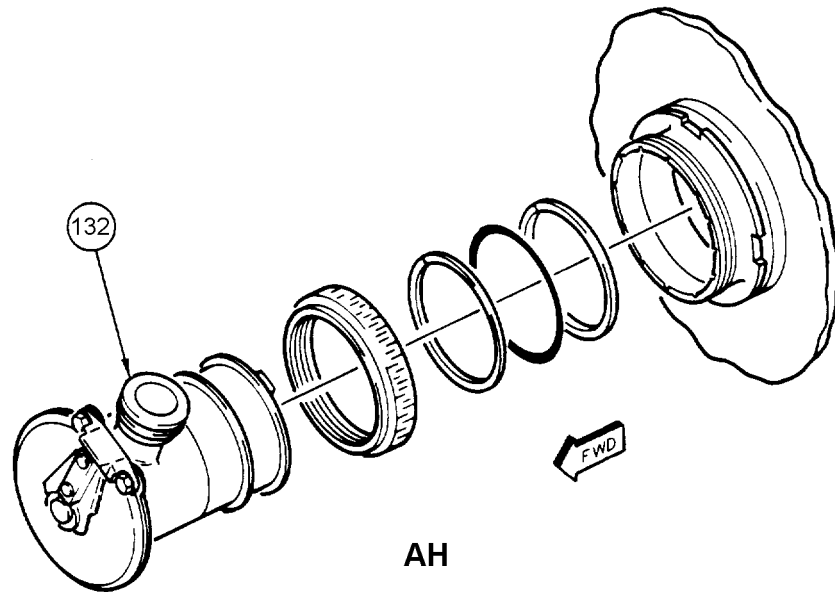
(2) Remove supports and ejector (159) as a unit with related parts.



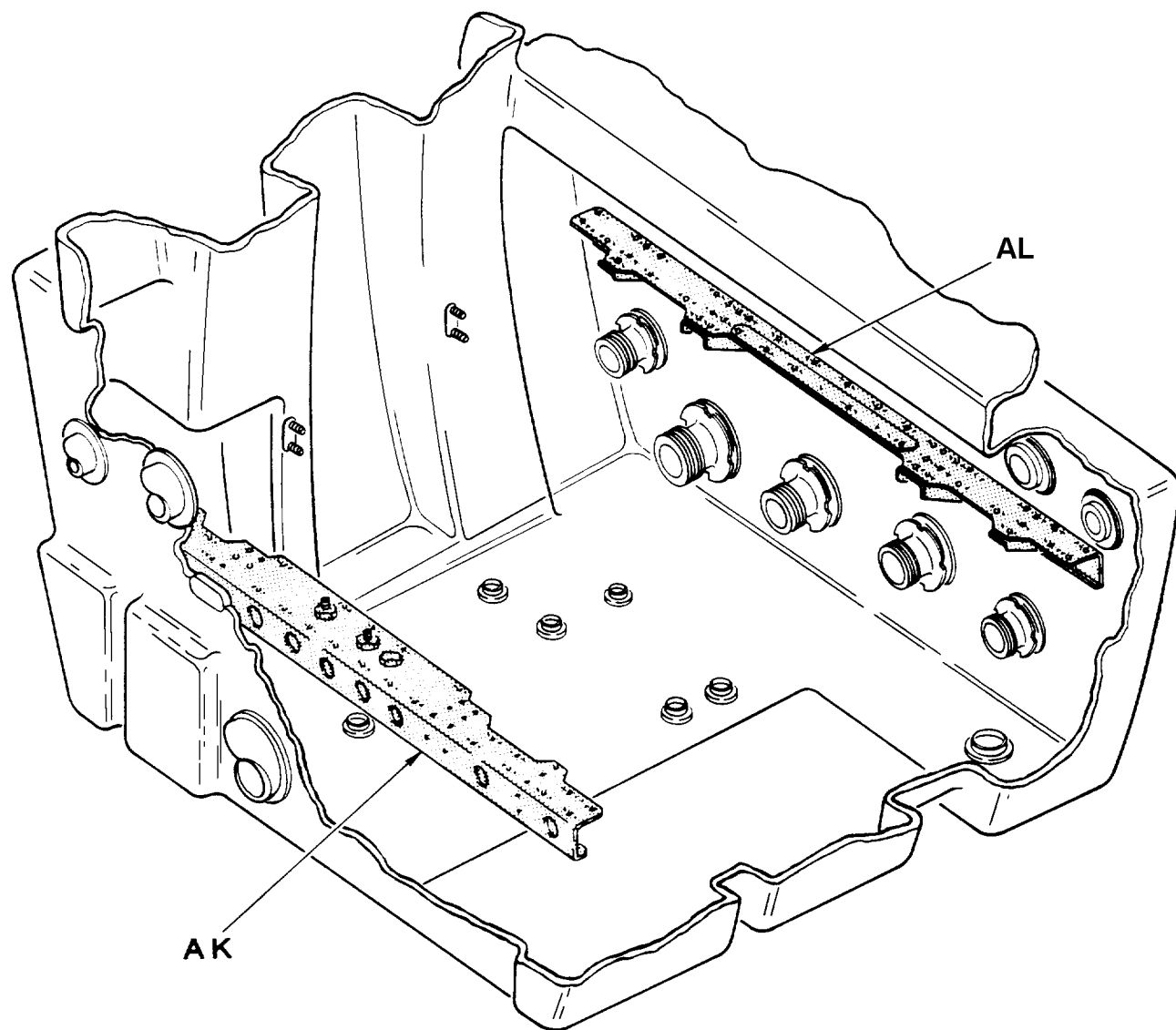
161716 THRU 161761
CONFIGURATION Y

d. Remove valve (132) and attaching parts.

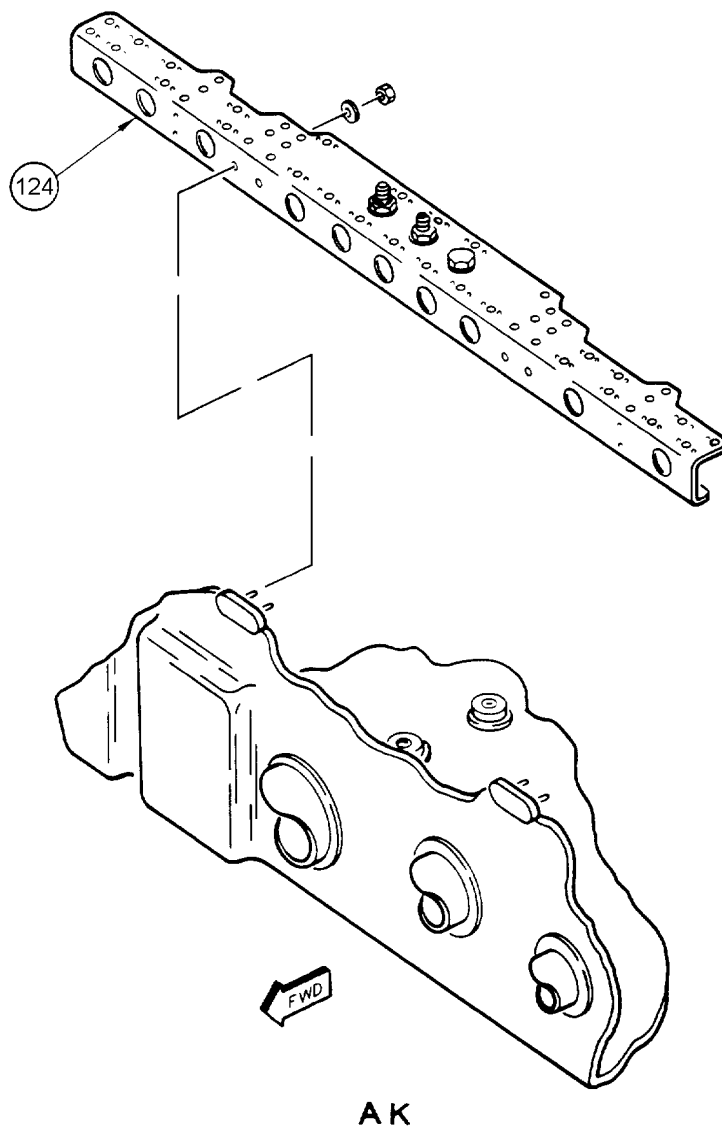
e. Remove adapter (224).



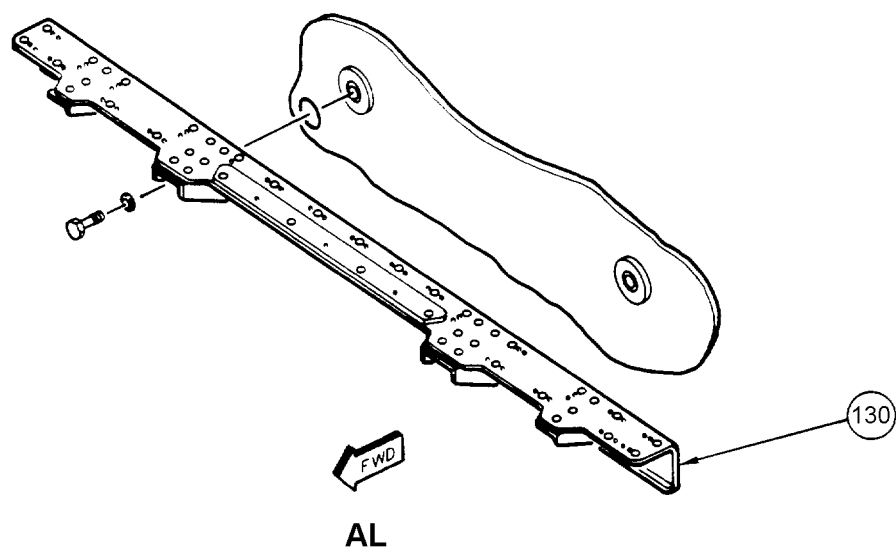
14. SEQUENCE 12.



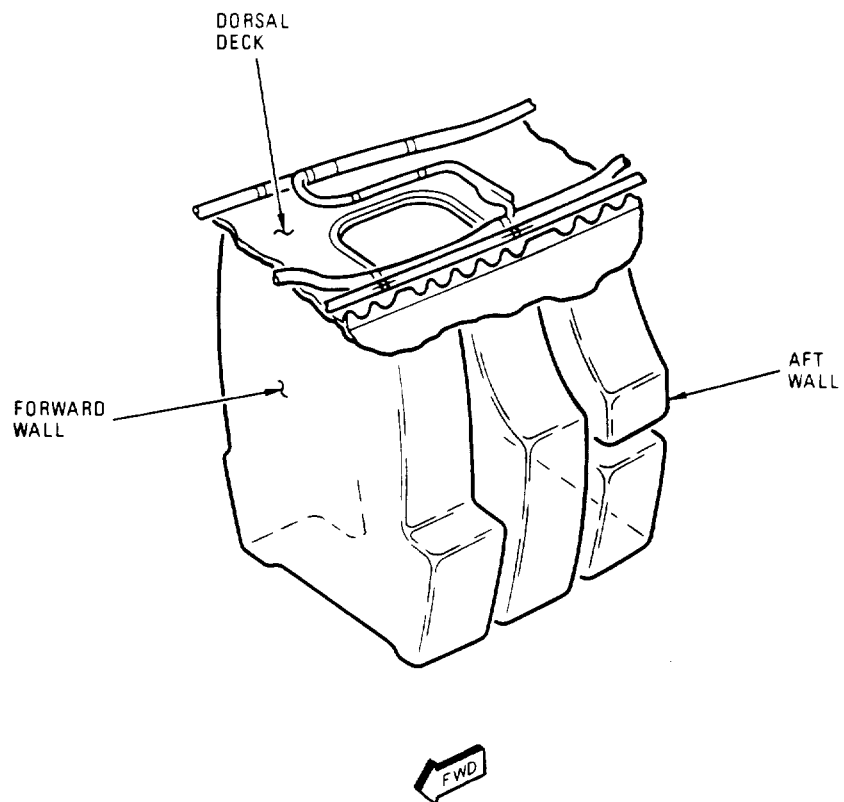
- a. Remove channel (124) and attaching parts.



- b. Remove channel (130) and attaching parts.



15. SEQUENCE 13.



a. Remove nipples (220 and 222), elbow (221) and related parts.

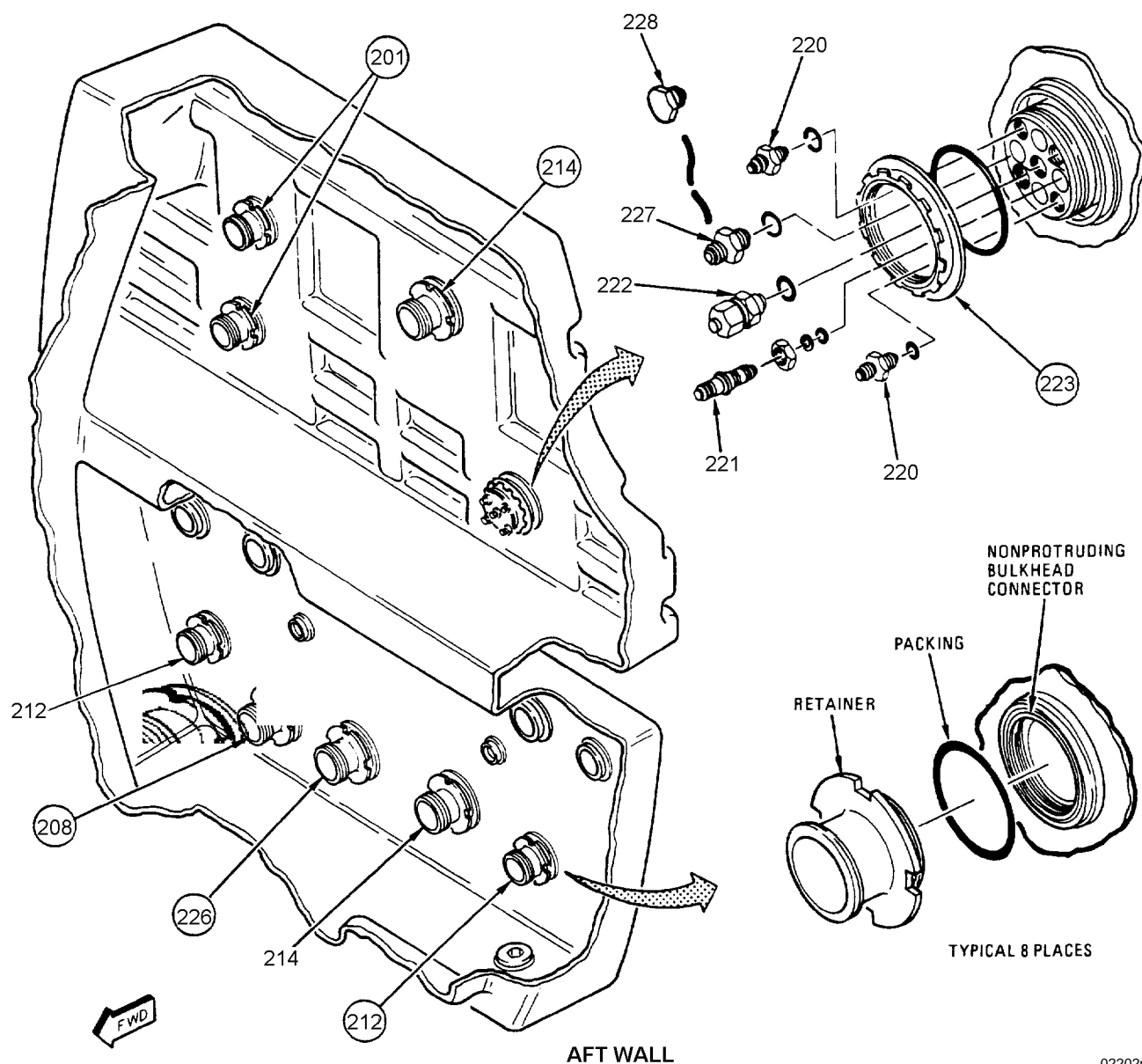
b. On 161716 THRU 163145, remove nipple (227).

c. On 163146 AND UP, remove plug (228).

NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

d. Remove retainers (201, 208, 212, 214, and 226) and nut (223) on aft wall.



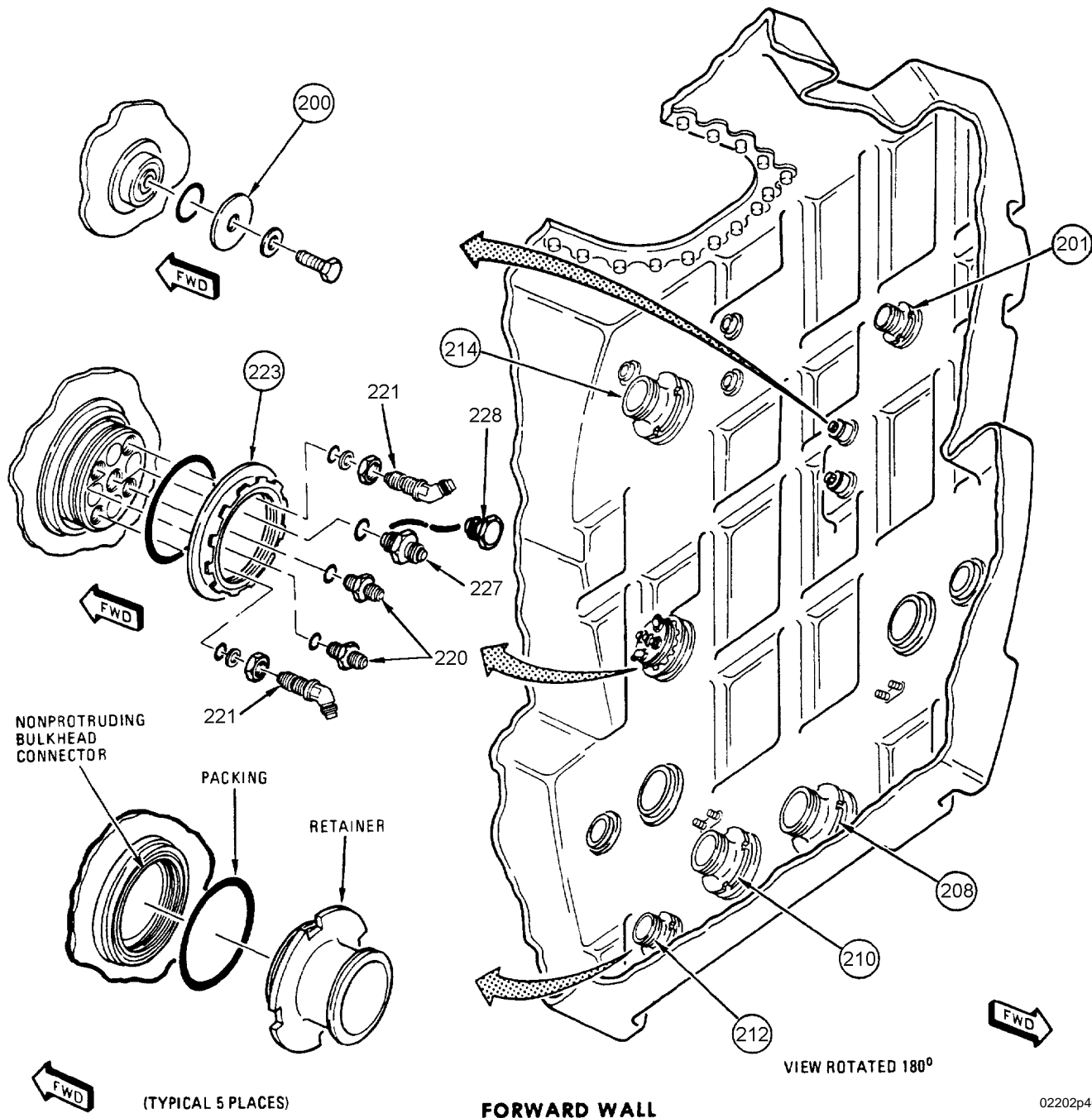
- e. Remove elbows (221) and nipples (220).
- f. On 161716 THRU 163145, remove nipple (227).
- g. On 163146 AND UP, remove plug (228).

- h. Remove retainers (201, 208, 210, 212 and 214) and nut (223) from forward wall.

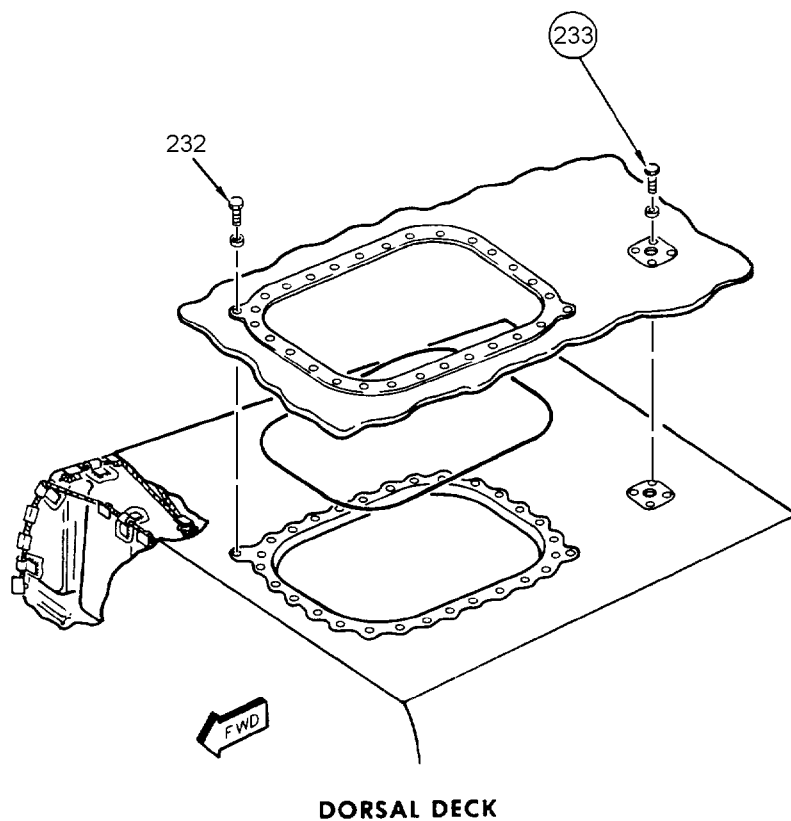
- i. Remove washers (200) and related parts.

NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.



- j. Remove bolts (232 and 233) and attaching parts.



16. **SEQUENCE 14.**

To prevent damage to fuel tank, be careful when cutting lacing cords.

- a. Carefully cut all lacing cords.



To prevent damage to fuel tank, fuel tank fittings and cavity bulkhead fittings, do not allow fuel tank fittings to become cocked on cavity bulkhead fittings during removal. Be careful when lowering tank from cavity bulkhead fittings.

To avoid damage to fuel tank fittings, do not use pliers when removing tank from bulkhead fittings.

- b. Remove all used packings before pulling tank off bulkhead fittings.
- c. Remove protective pad from tank.
- d. Fold and remove fuel tank (WP025 00). Make sure tank is off all bulkhead fittings.

17. **CAVITY INSPECTION.** (QA)

- a. Observe applicable fuel tank maintenance precautions (WP013 00).



Failure to do steps below may result in damage to fuel tank.

- b. Clean (WP039 00) and inspect all fittings of:

- (1) dirt
- (2) paint

- (3) grease

- (4) corrosion

- (5) foreign material that would prevent a correct seal

- c. Inspect for and repair/replace fittings (WP038 00) and retainers (WP038 01) with:

- (1) cracks
- (2) scratches
- (3) nicks
- (4) distortion
- (5) damaged threads

- (6) damage that would cause mismatching, or prevent a correct seal

- d. Inspect for and replace (WP025 01) all foam that is:

- (1) loose
- (2) damaged
- (3) fuel soaked (fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00)
- (4) missing

- e. Inspect for and replace (WP039 00) all pressure sensitive tape that is damaged, loose or does not cover:

- (1) rivet collars
- (2) nuts
- (3) bolts
- (4) bucked head of rivets
- (5) lap joints with a thickness of 0.126 inch or more
- (6) sharp or rough areas of backing boards

(7) sharp edges that could chafe tank

f. Inspect for and replace (WP035 01) backing boards that are:

(1) damaged

(2) fuel soaked

g. Inspect for and replace thermal insulation blankets (WP036 01) that are:

(1) damaged

(2) loose

(3) fuel soaked

h. Inspect complete cavity for:

(1) burrs, metal edges or protrusions not covered with anti-chafe tape or foam which could cause damage to fuel cell

(2) loose, missing or damaged lacing clips

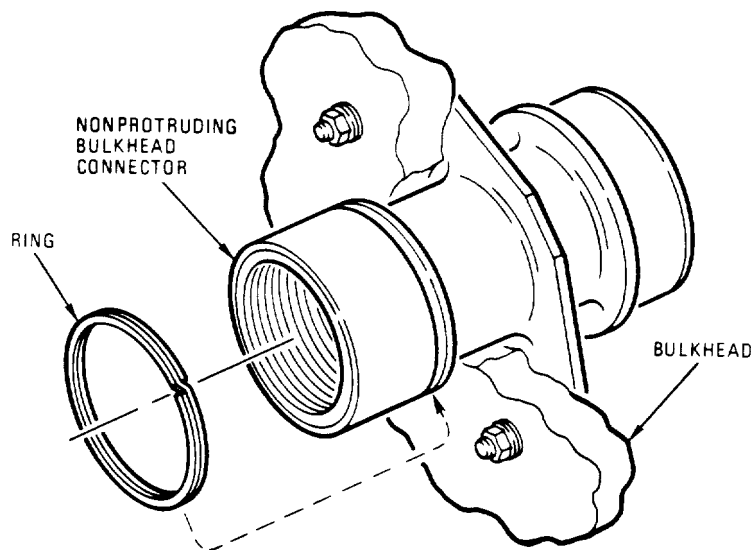
(3) cleanliness

(4) corrosion

NOTE

Bulkhead connectors have ring on one side only, opposite side has fixed flange.

i. Inspect applicable bulkhead connectors and replace (WP042 00) missing or damaged rings.



ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 3 FUEL TANK (5CAP510)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB - No. 3 Fuel Tank	WP024 06
Repair - No. 3 Fuel Tank Inverted Flight Baffle	WP024 05
No. 3 Fuel Tank Inspection and Folding	WP025 00
No. 3 Fuel Tank Cavity Foam Filler	WP025 01
Fuel Tank Cavity Thermal Blankets	WP036 01
Fuel Tank Cavity Repair	WP038 00
No. 2 and No. 3 Fuel Tank Backing Boards	WP035 01
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00
No. 3 Fuel Tank Cavity Fittings and Supports	WP042 00

Alphabetical Index

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Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Tanks 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
74D460102-1001	Fuel Tank Bulkhead Nut Adapter Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set

Materials Required

Specification or Part Number	Nomenclature
MIL-T-43435TYPE- 2SIZE-3FINISH-C (CAGE 81349)	Lacing Tape
474 (CAGE 26066)	Tape, Pressure Sensitive

1. GENERAL.**NOTE**

For complete parts list, see no. 3 fuel tank parts list (WP024 06).

For baffle repair, see no. 3 fuel tank inverted flight baffle repair (WP024 05).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in a cloth bag.

NOTE

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

c. Tag assembly with index number that has been circled on artwork of procedure.

d. Keep parts grouped in containers after removal.

e. Do general preparation for removal (WP013 00).

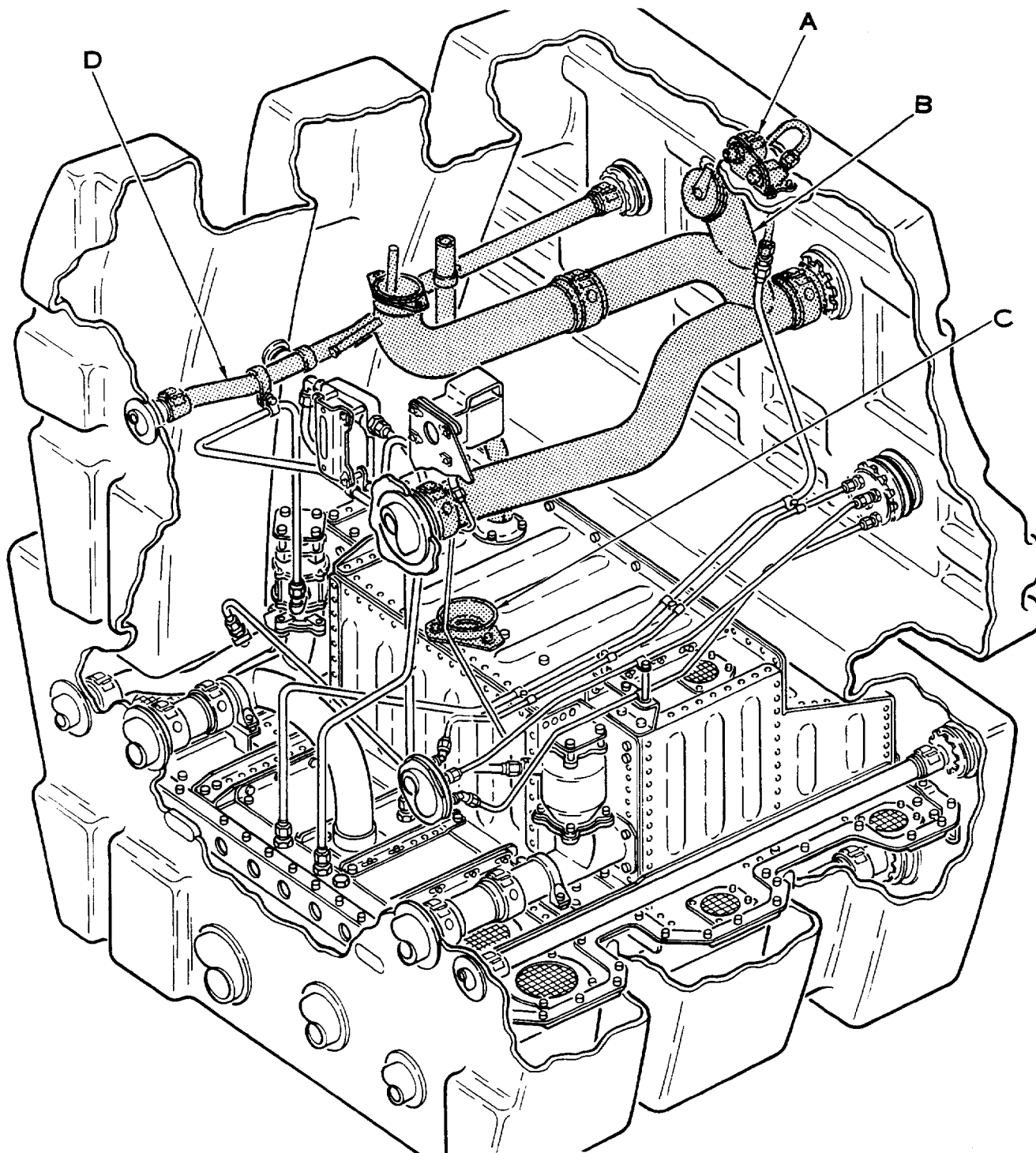
WARNING

To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.

2. REMOVAL.

3. SEQUENCE 1.

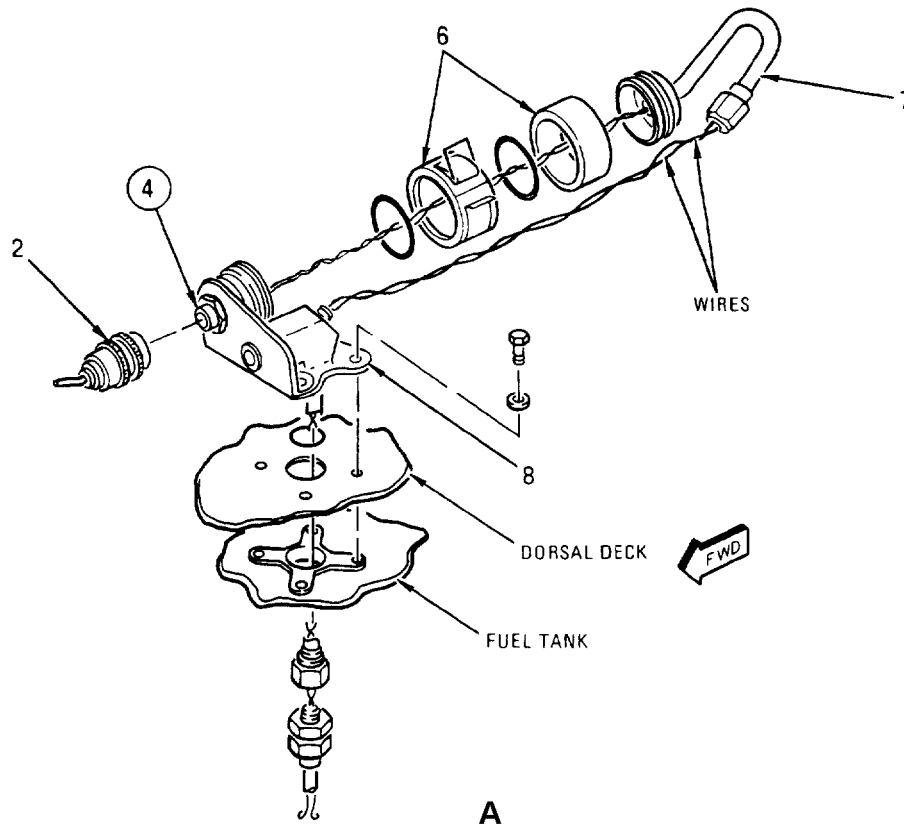


- a. Disconnect connector (2).
- b. Remove coupling (6) and disconnect adapter (7) at elbow (8).



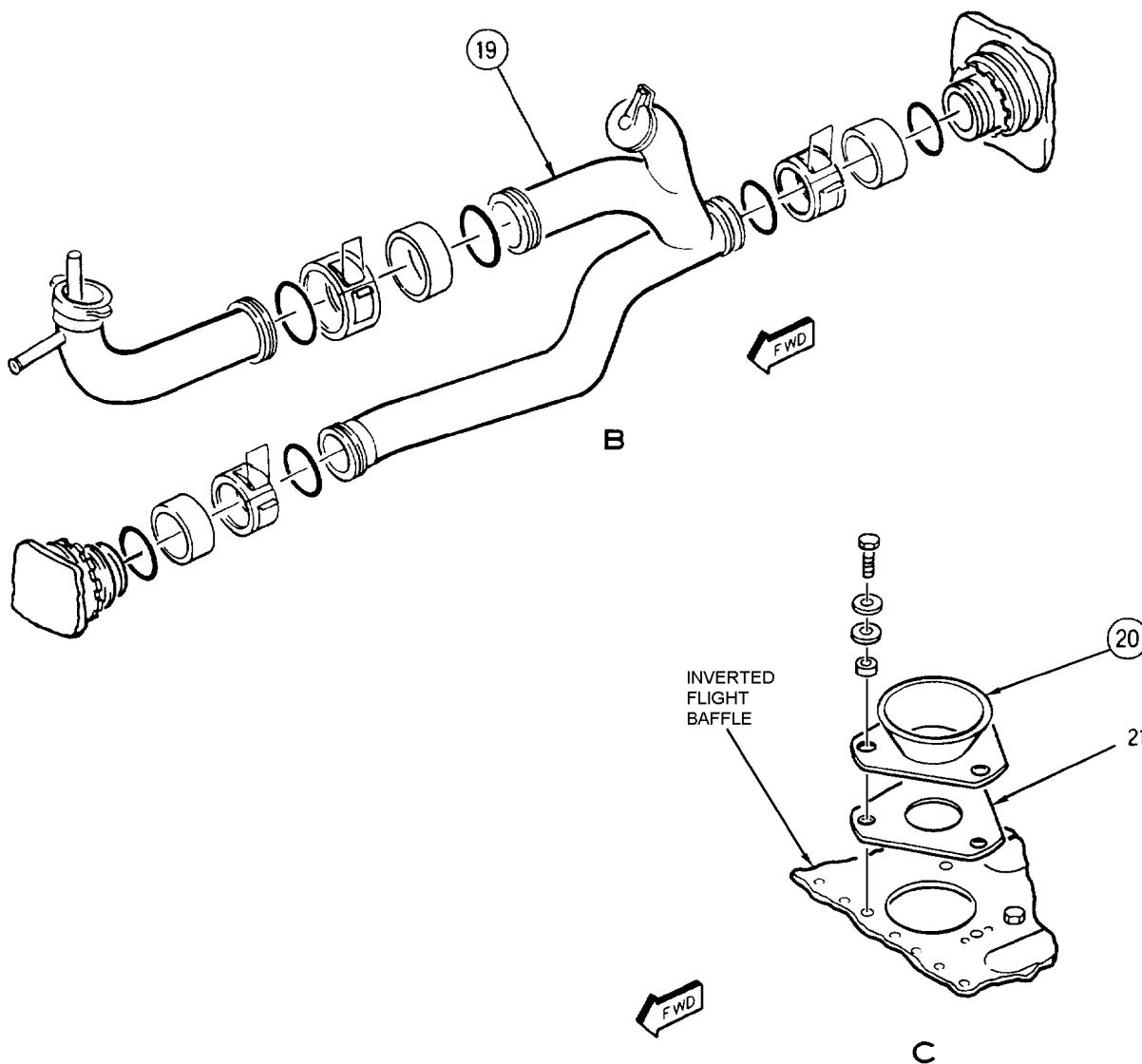
To prevent damage to wires, carefully pull wires through adapter, components and parts.

- c. Disconnect wires from connector (4) then carefully pull wires through adapter (7) and remove adapter (7).
- d. Carefully pull wires through elbow (8) and remove elbow (8).

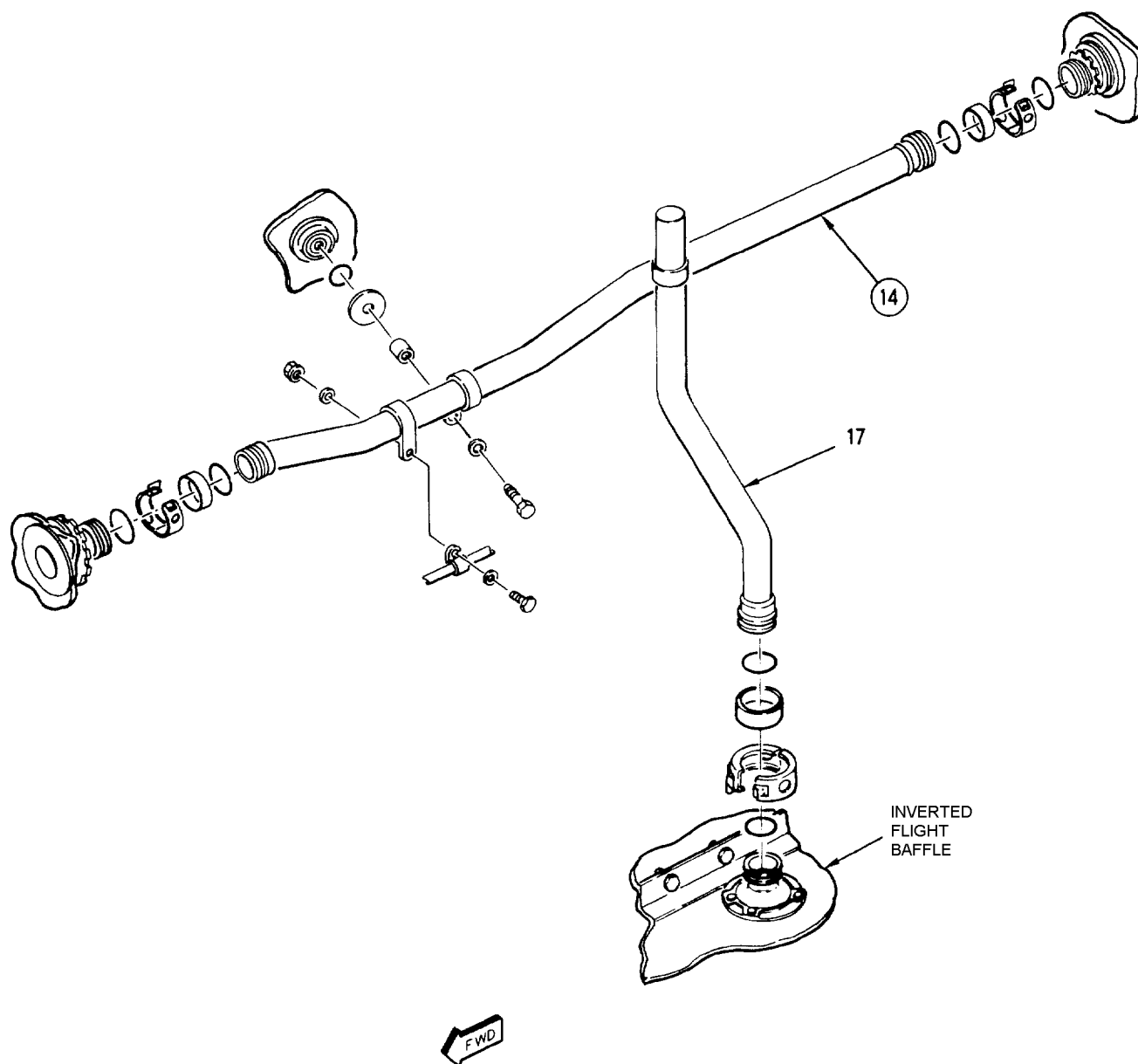


e. Remove vent assembly (19) and related parts.

f. Remove probe guide (20) and, if required, gas-ket (21).

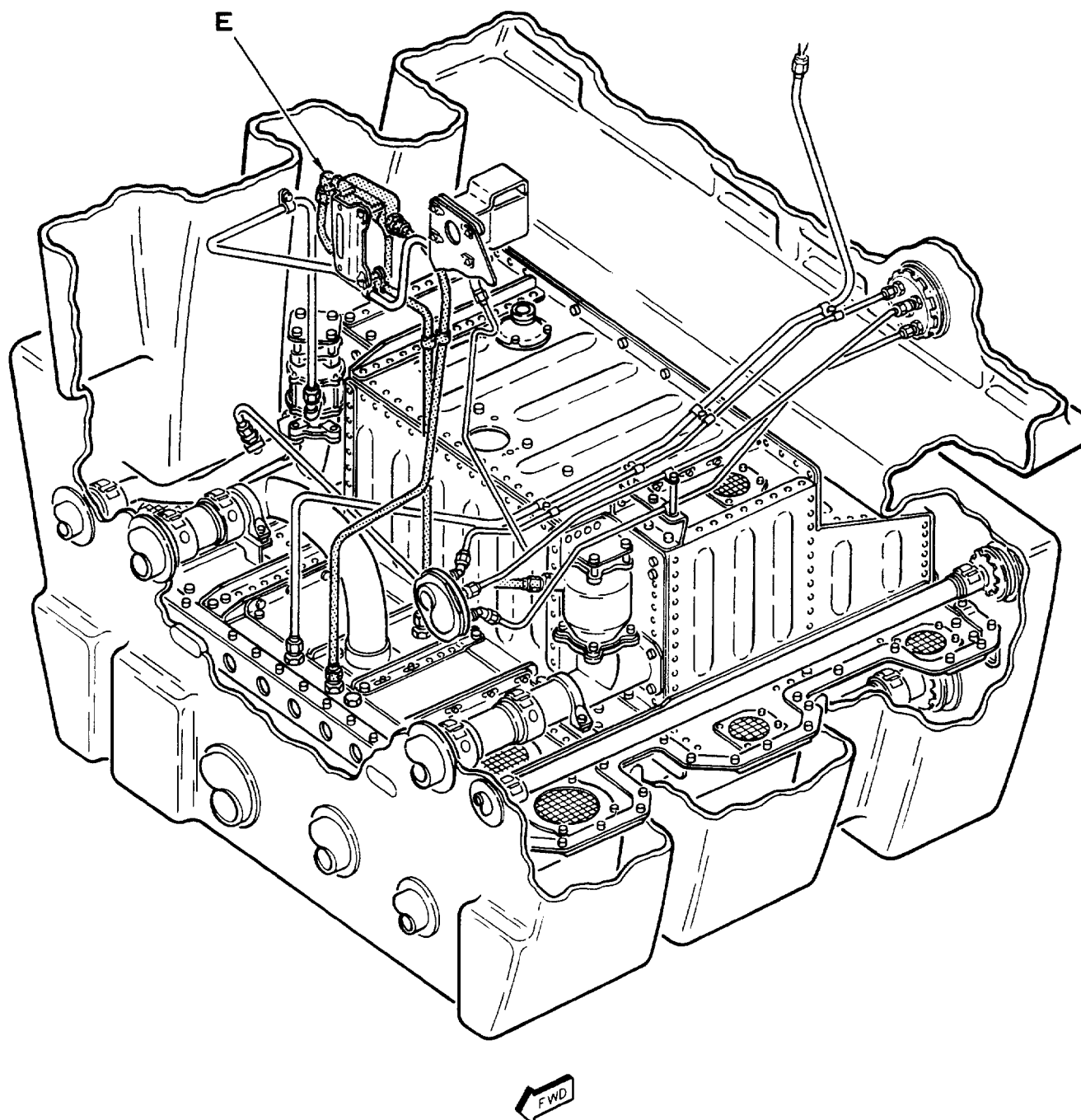


g. Remove tubes (14 and 17) as an assembly, and related parts.

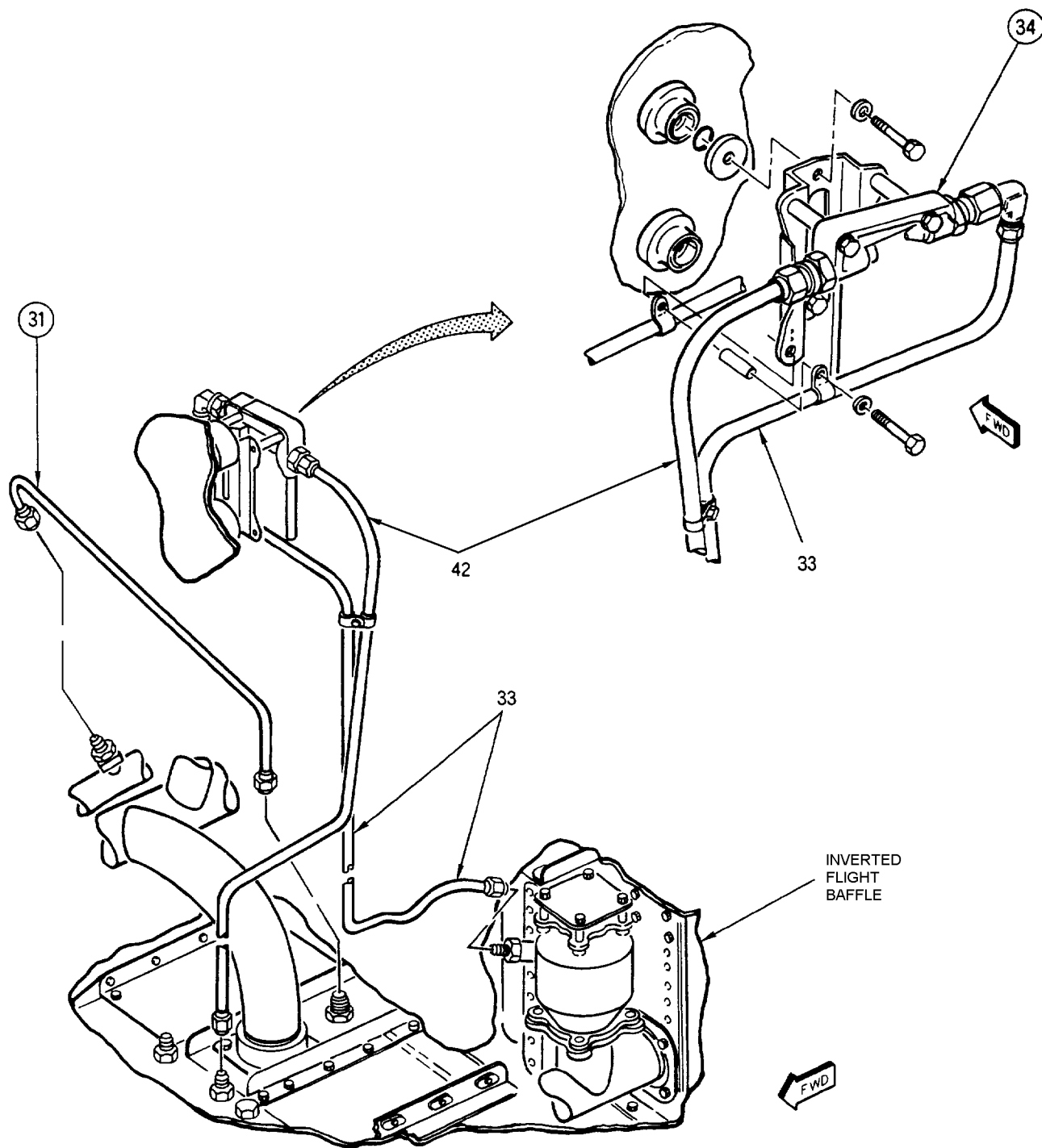


D

4. SEQUENCE 2.

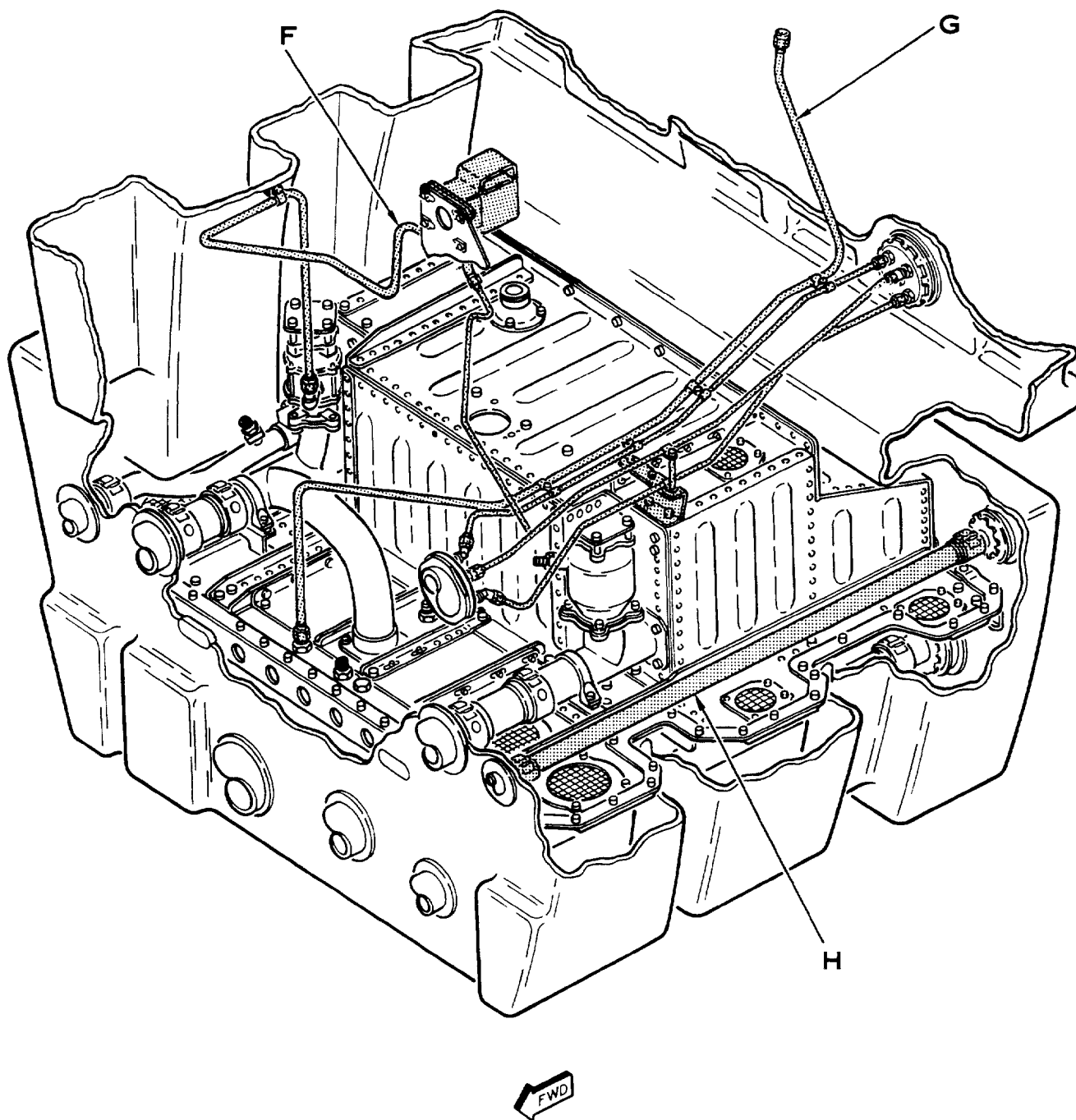


- a. Remove tube (31).
- b. Remove sensor (34) and tubes (33 and 42) as an assembly.

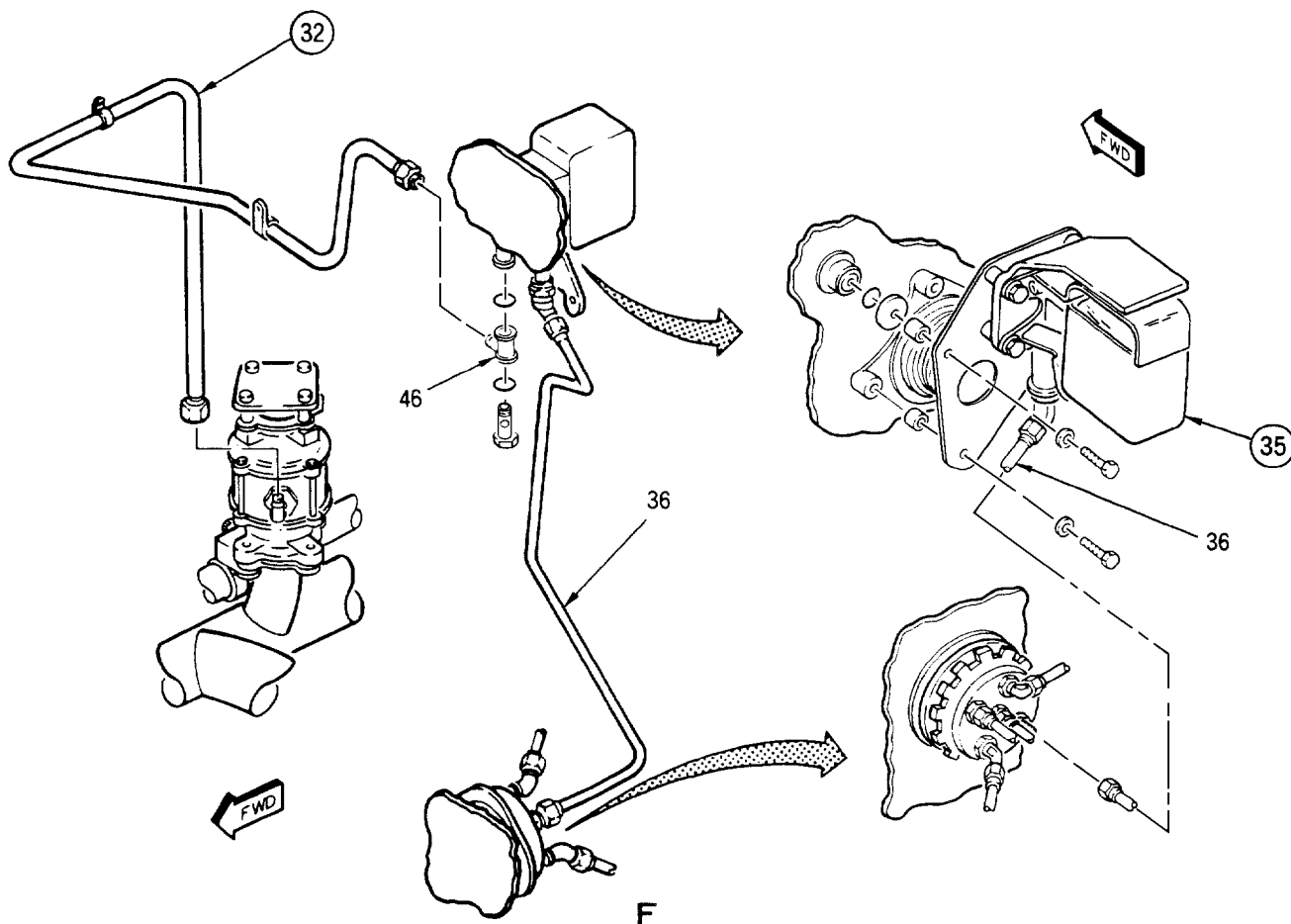


E

5. SEQUENCE 3.



- a. Remove tube (32).
- b. Remove connector (46) and bolt, valve (35) with tube (36) and related parts.

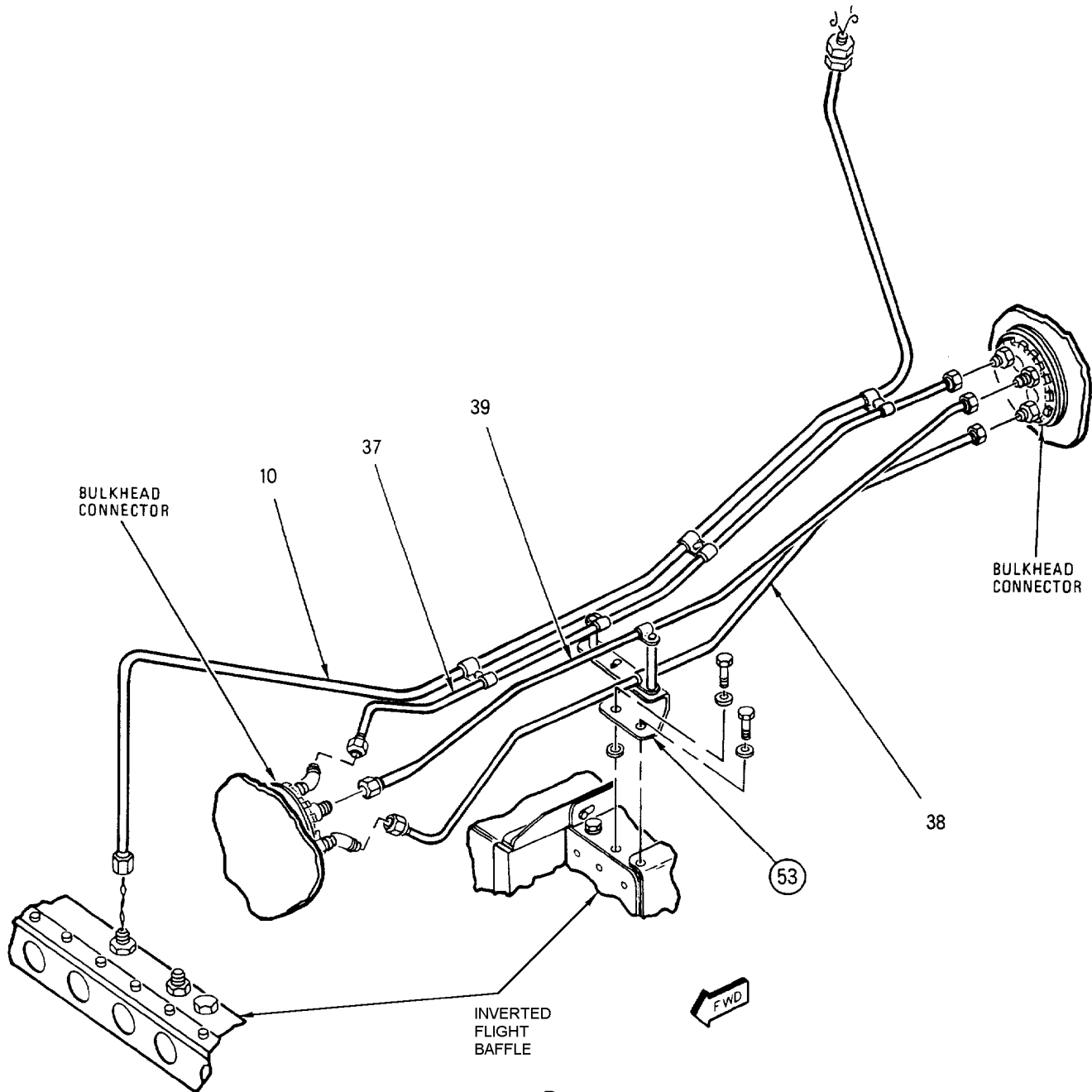


c. Disconnect tubes (37, 38, and 39) from bulk-head connectors.

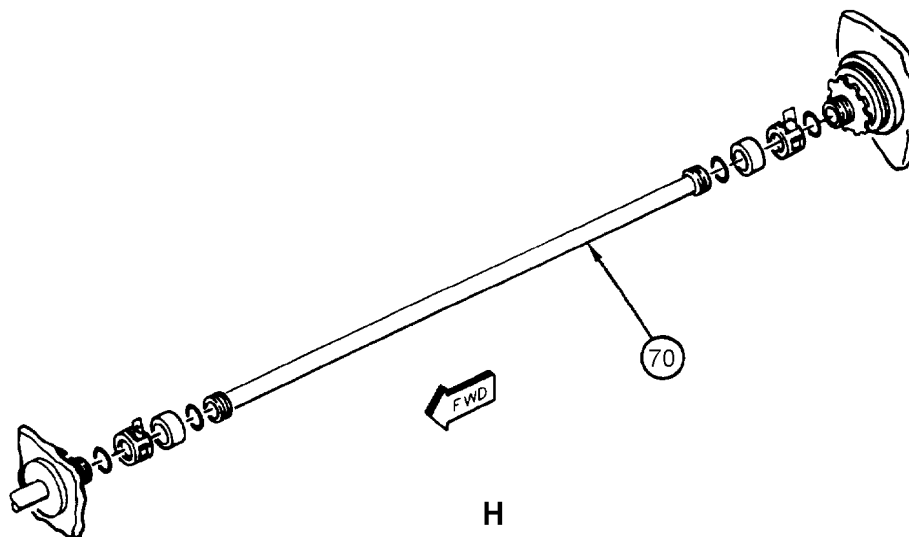
d. Disconnect tube (10) from baffle.

e. Tie a 6 foot length of lacing tape to wires and carefully pull wires through tube (10). Untie lacing tape from wires.

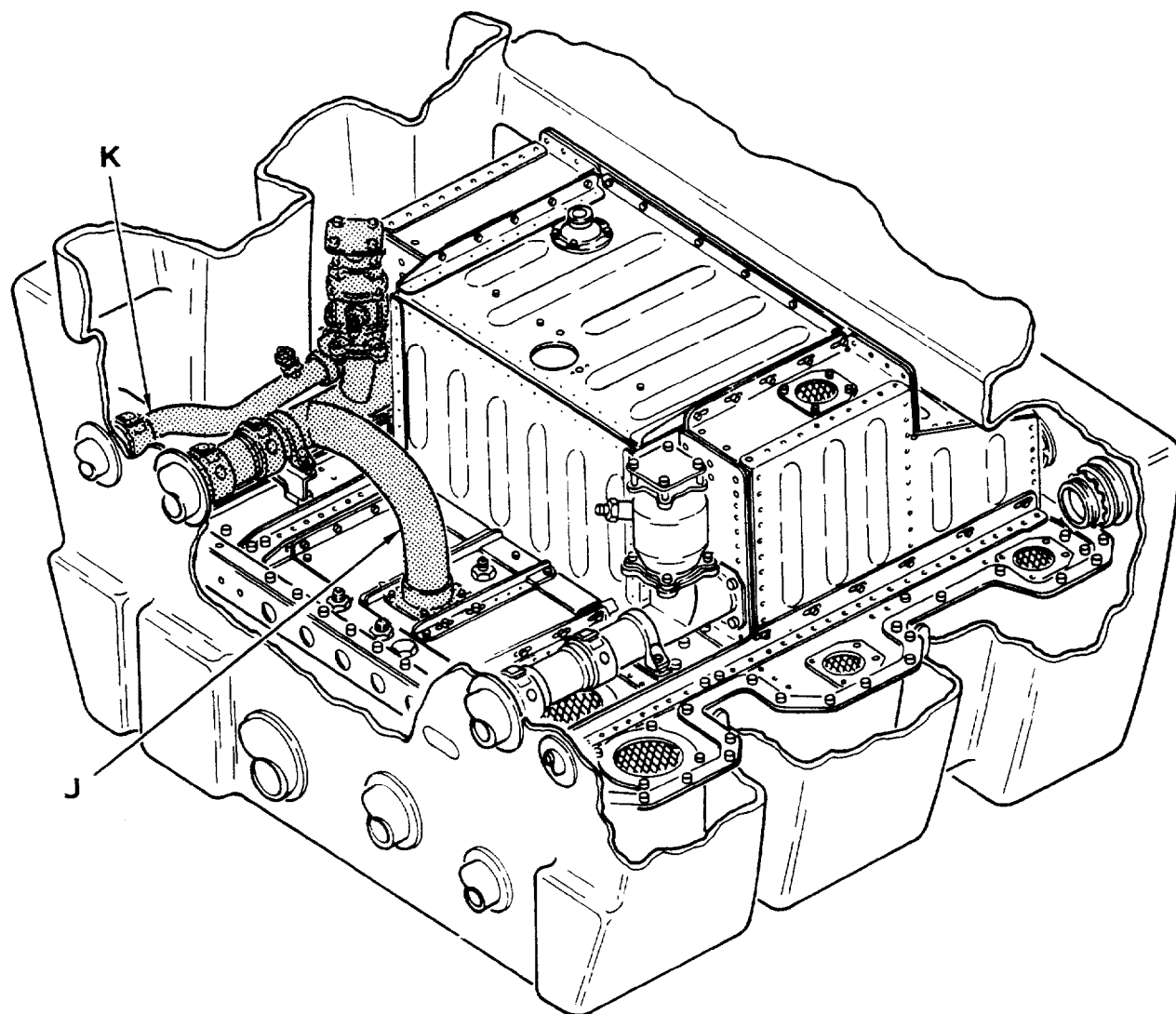
f. Disconnect bracket (53) and carefully remove tubes (10, 37, 38, and 39) and bracket (53) as an assembly.



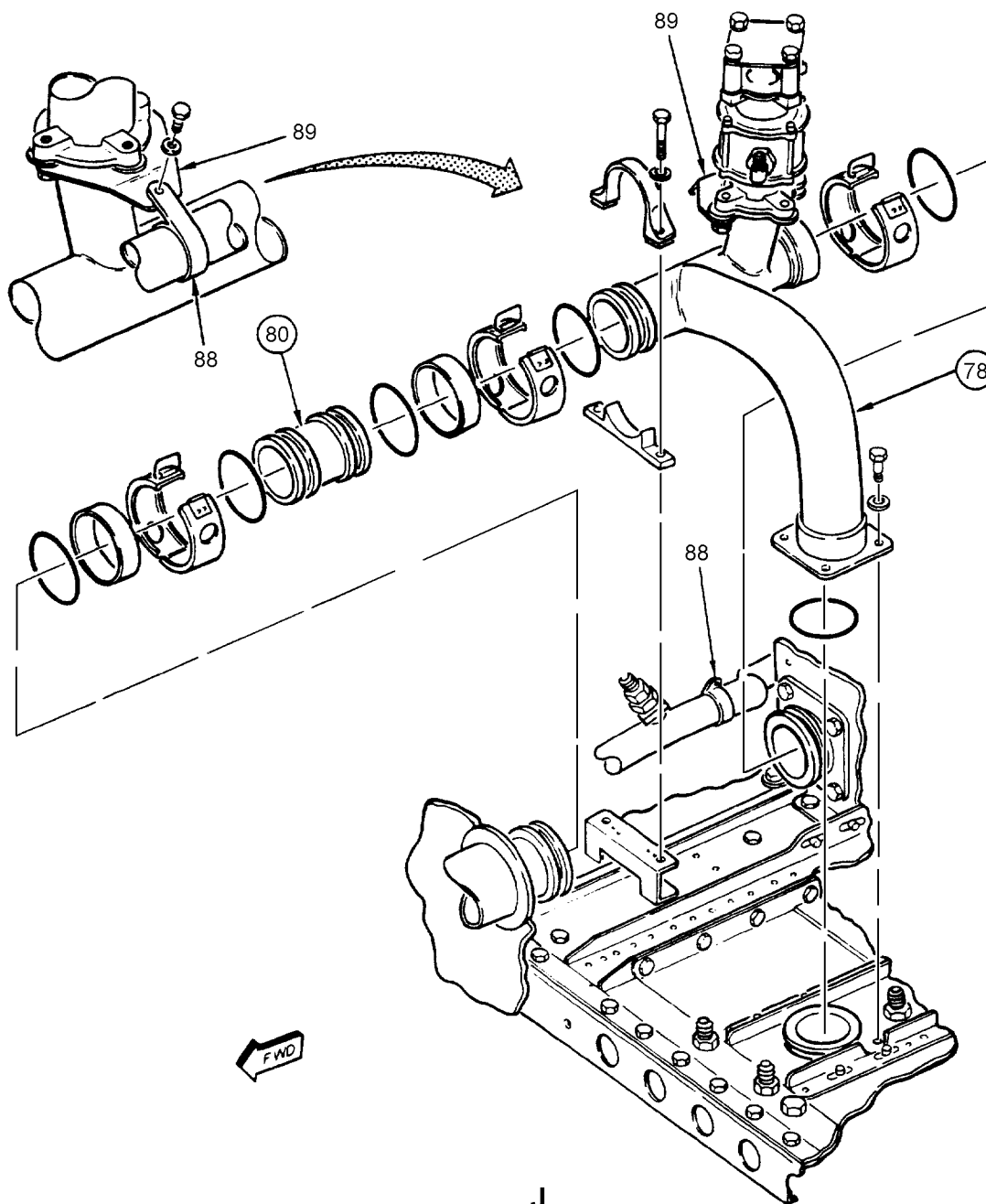
g. Remove tube (70) and related parts.



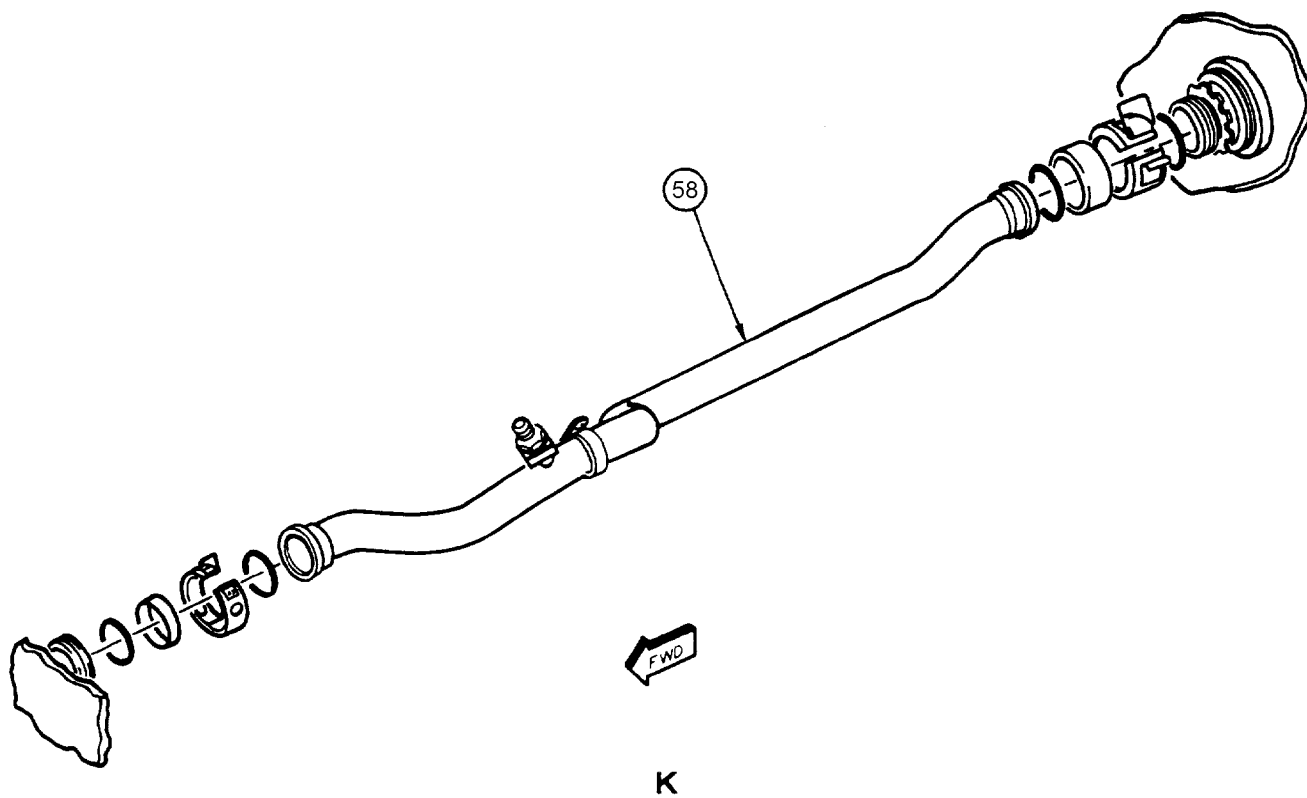
6. SEQUENCE 4.



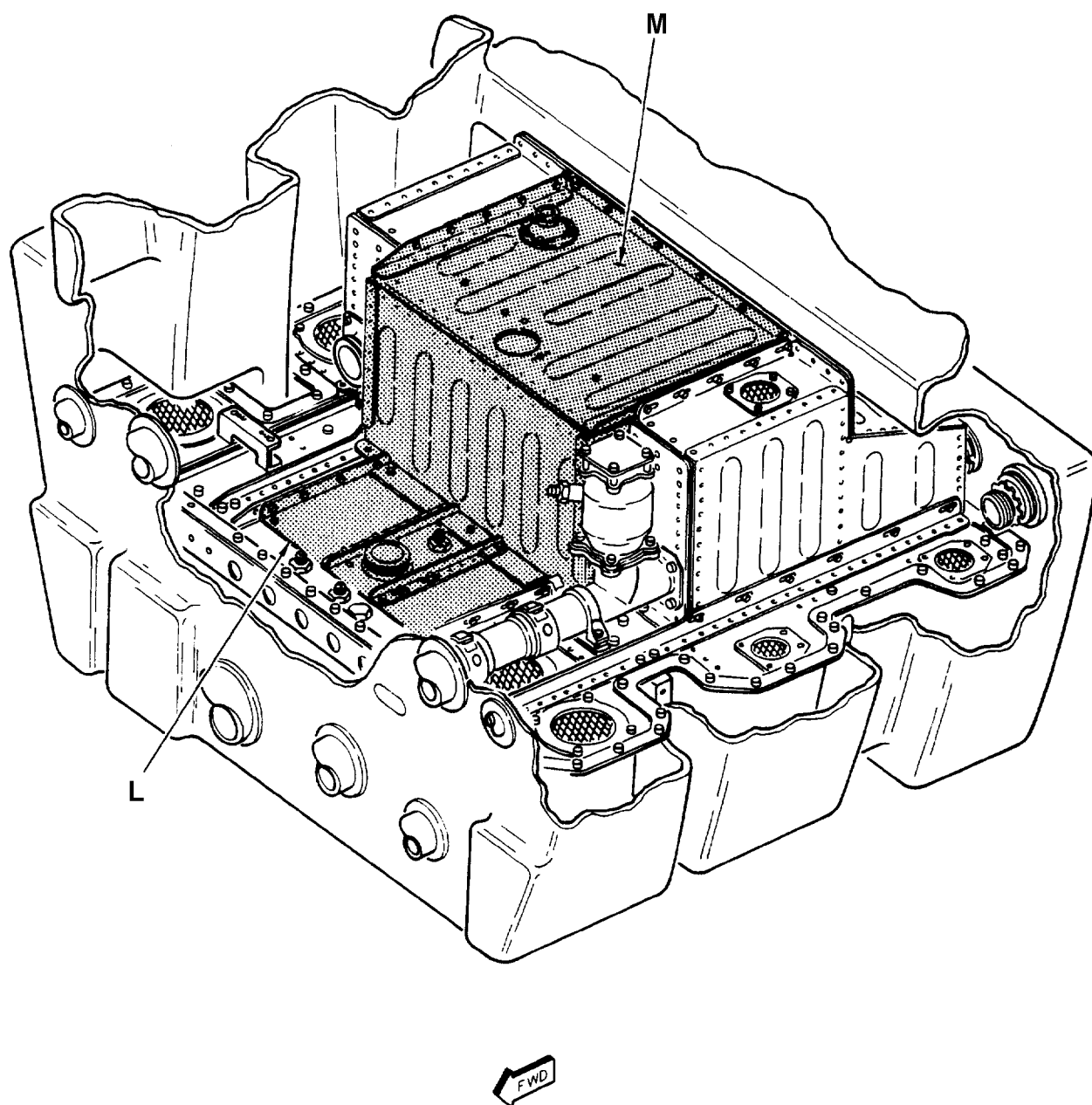
- a. Disconnect clamp (88) from bracket (89).
- b. Remove tube (80) and related parts.
- c. Remove manifold (78) and related parts.



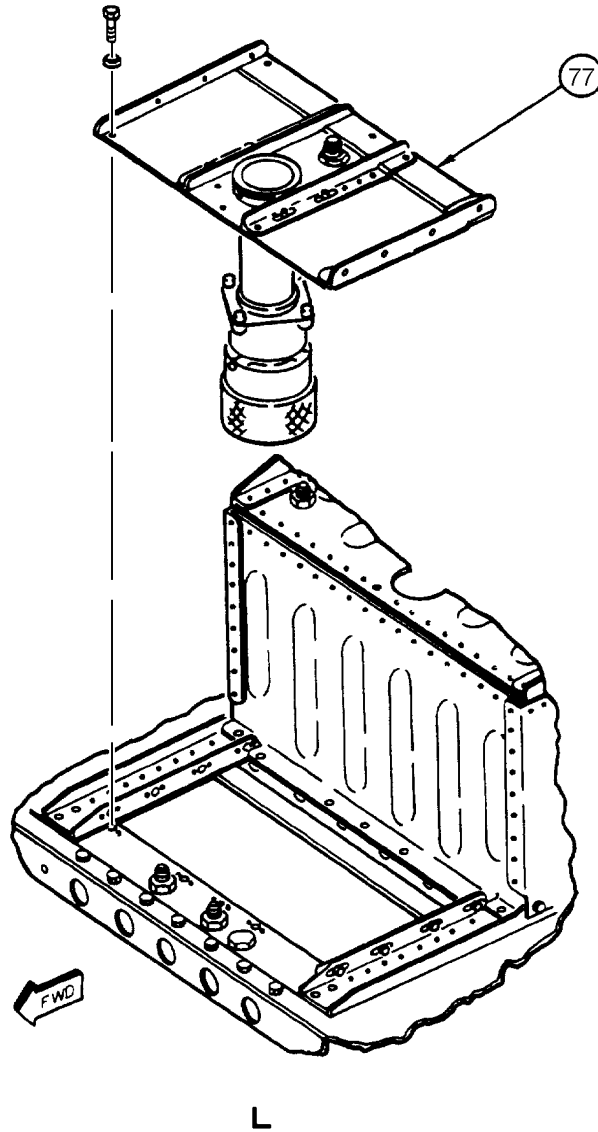
d. Remove tube (58) and related parts.



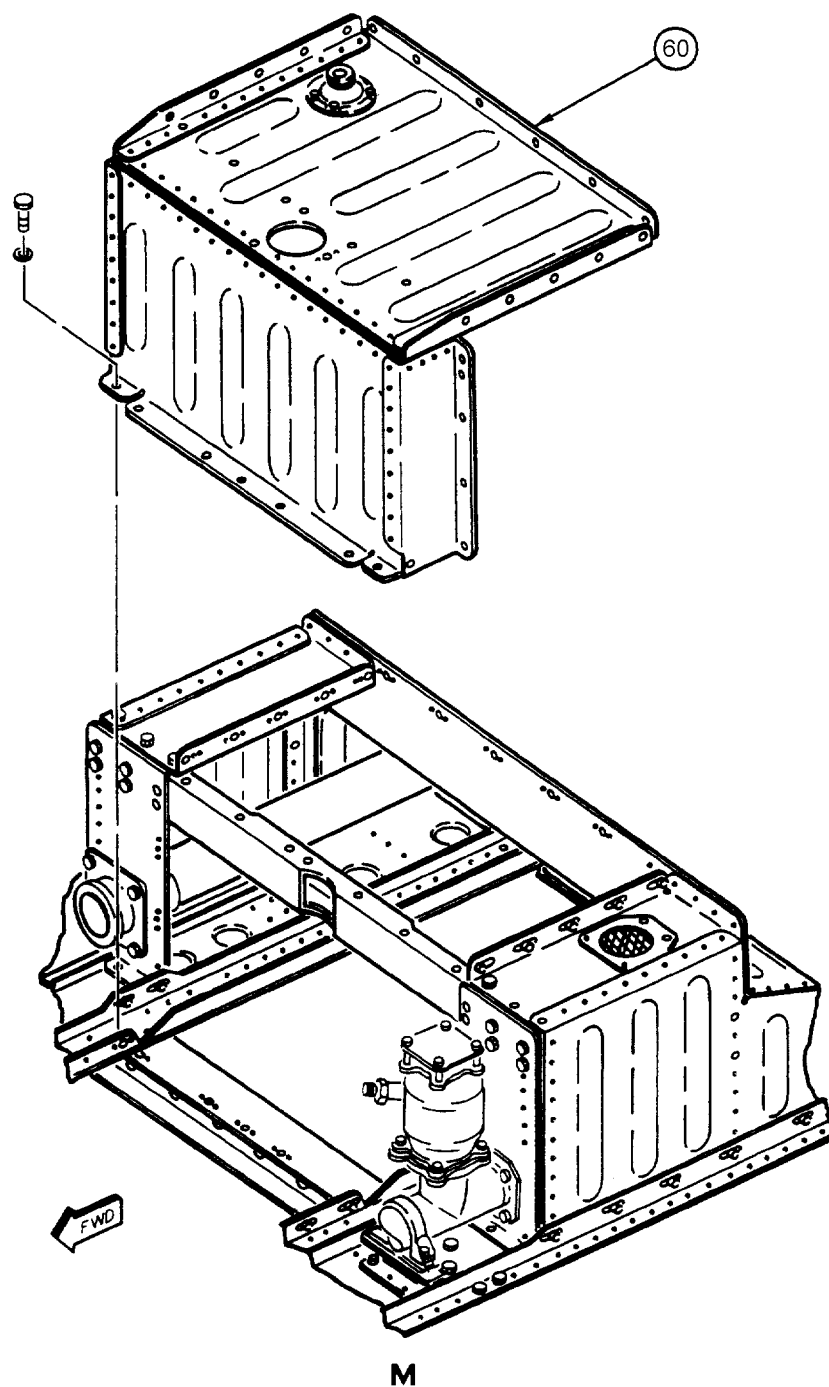
7. SEQUENCE 5.



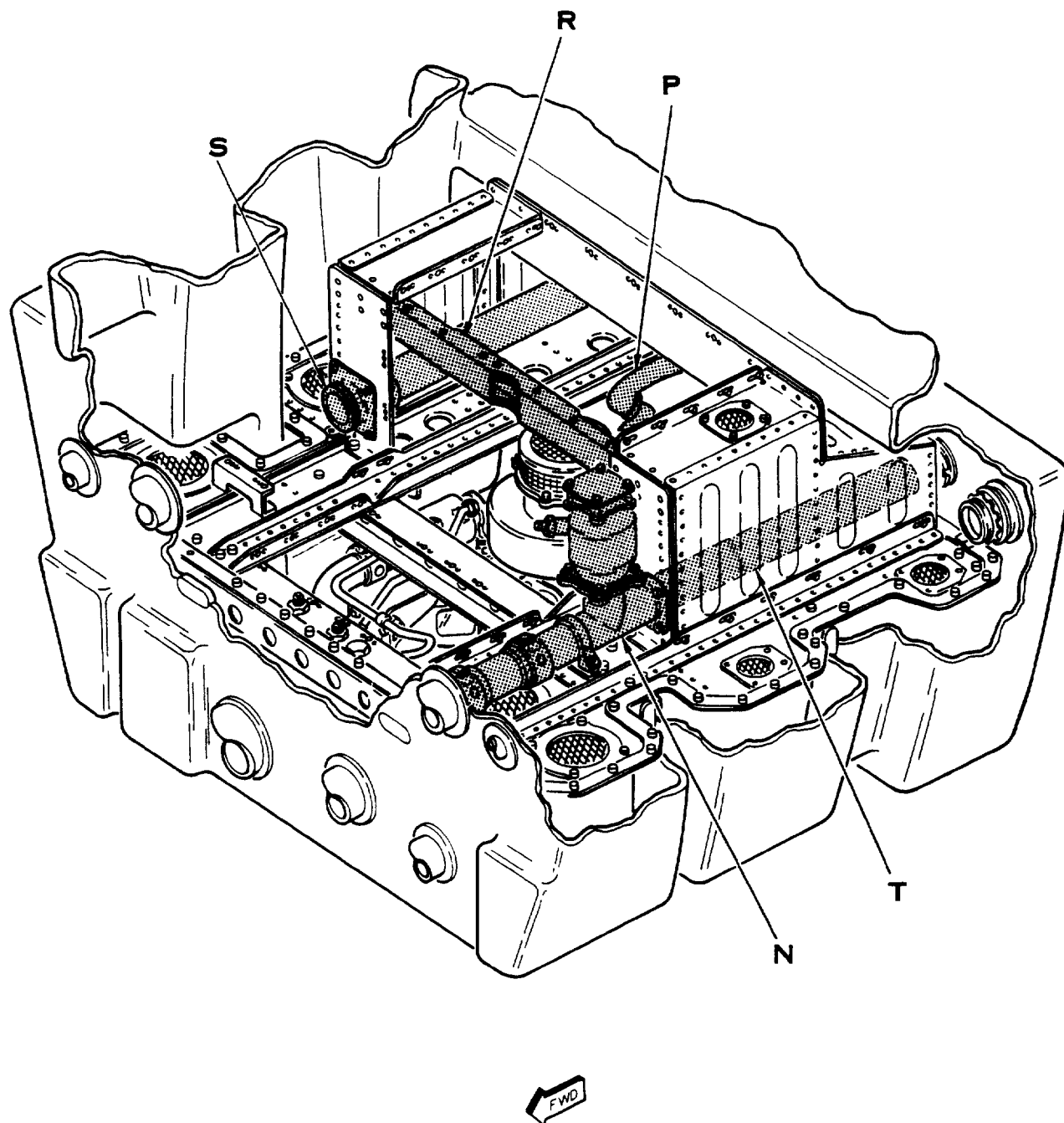
- a. Carefully remove panel (77) with defuel valve attached.



- b. Remove panel (60) and attaching parts.

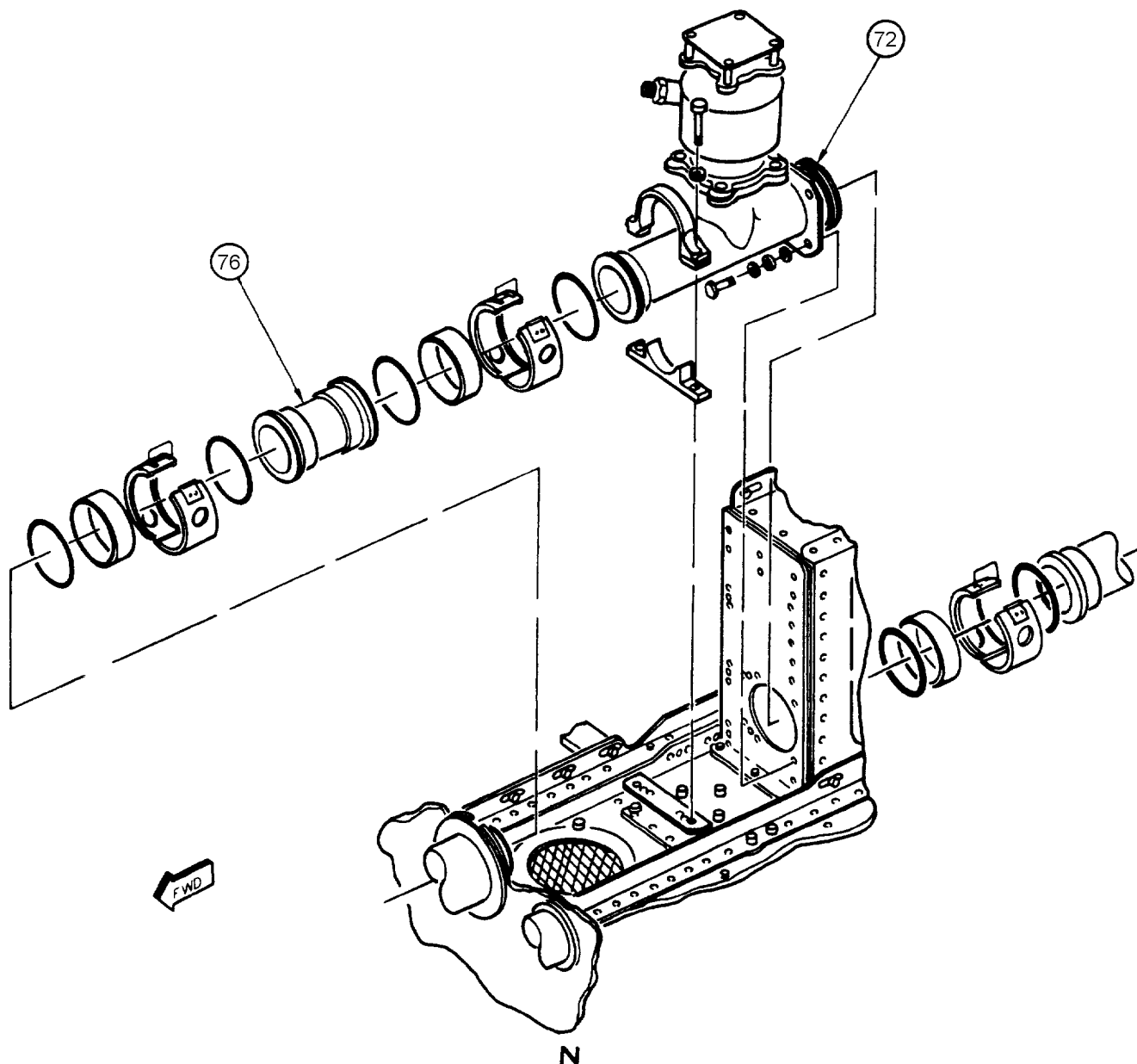


8. SEQUENCE 6.



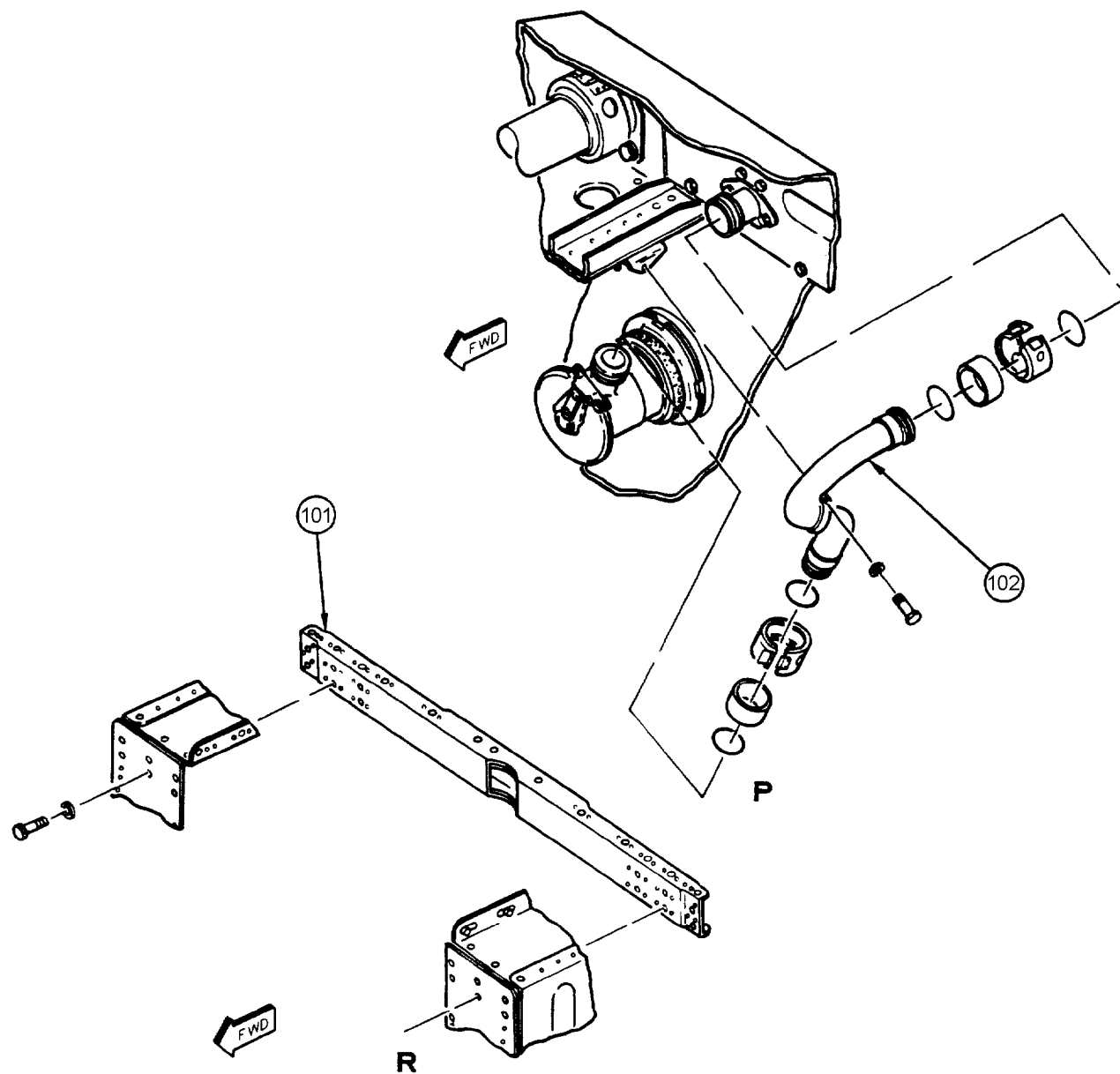
a. Remove tube (76) and related parts.

b. Remove tee (72) and related parts.

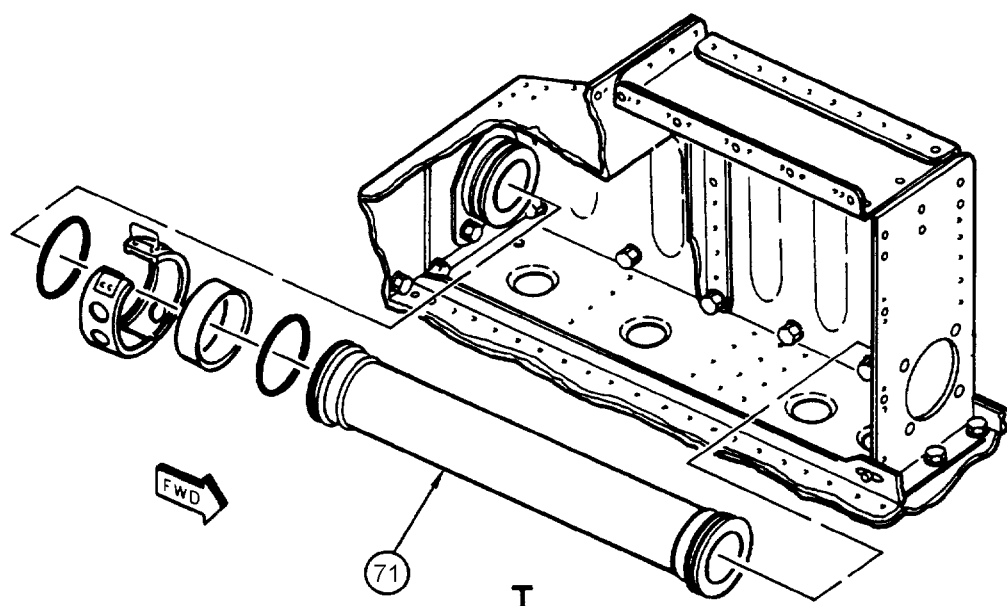
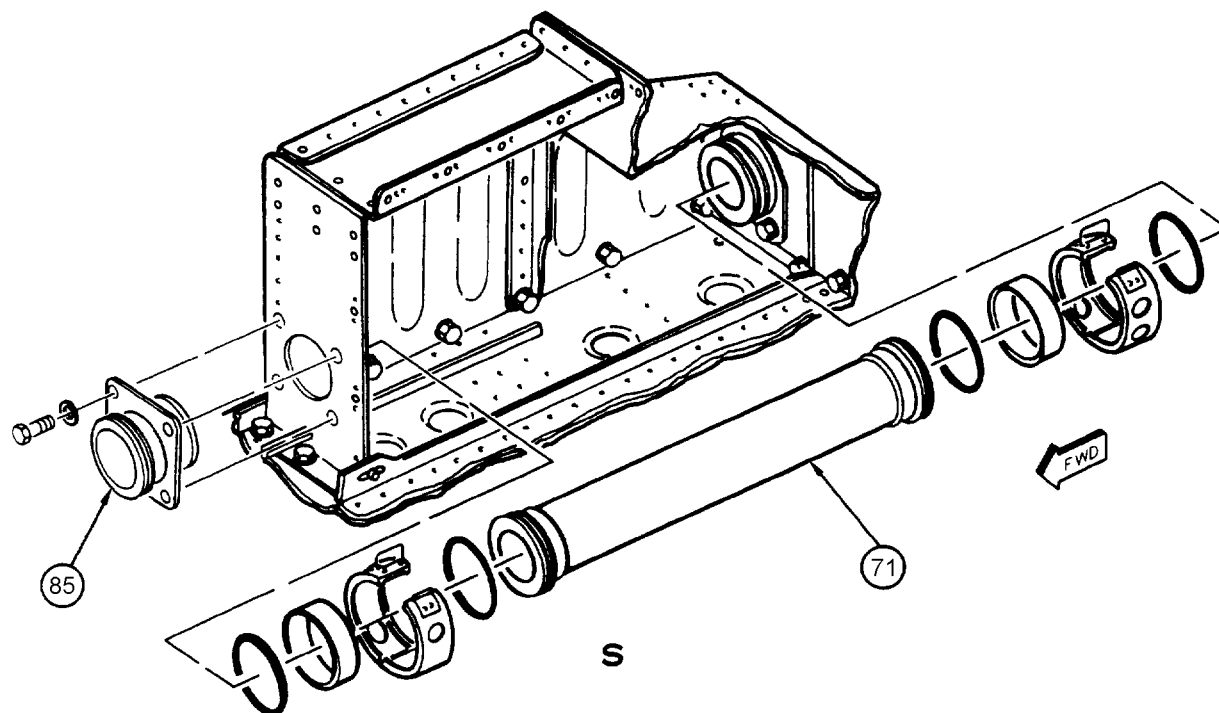


c. Remove stiffener (101) and attaching parts.

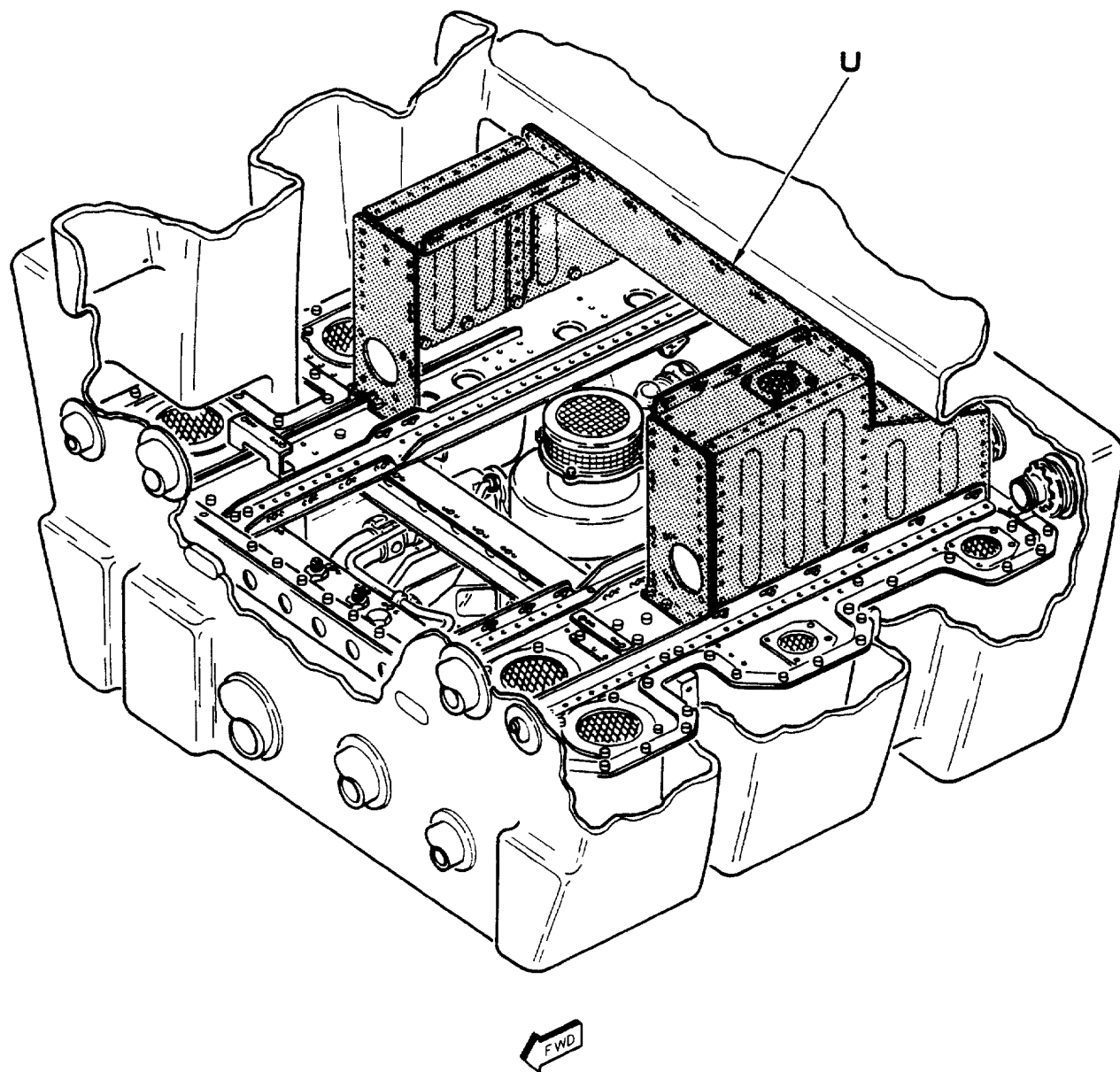
d. Remove tube (102) and related parts.



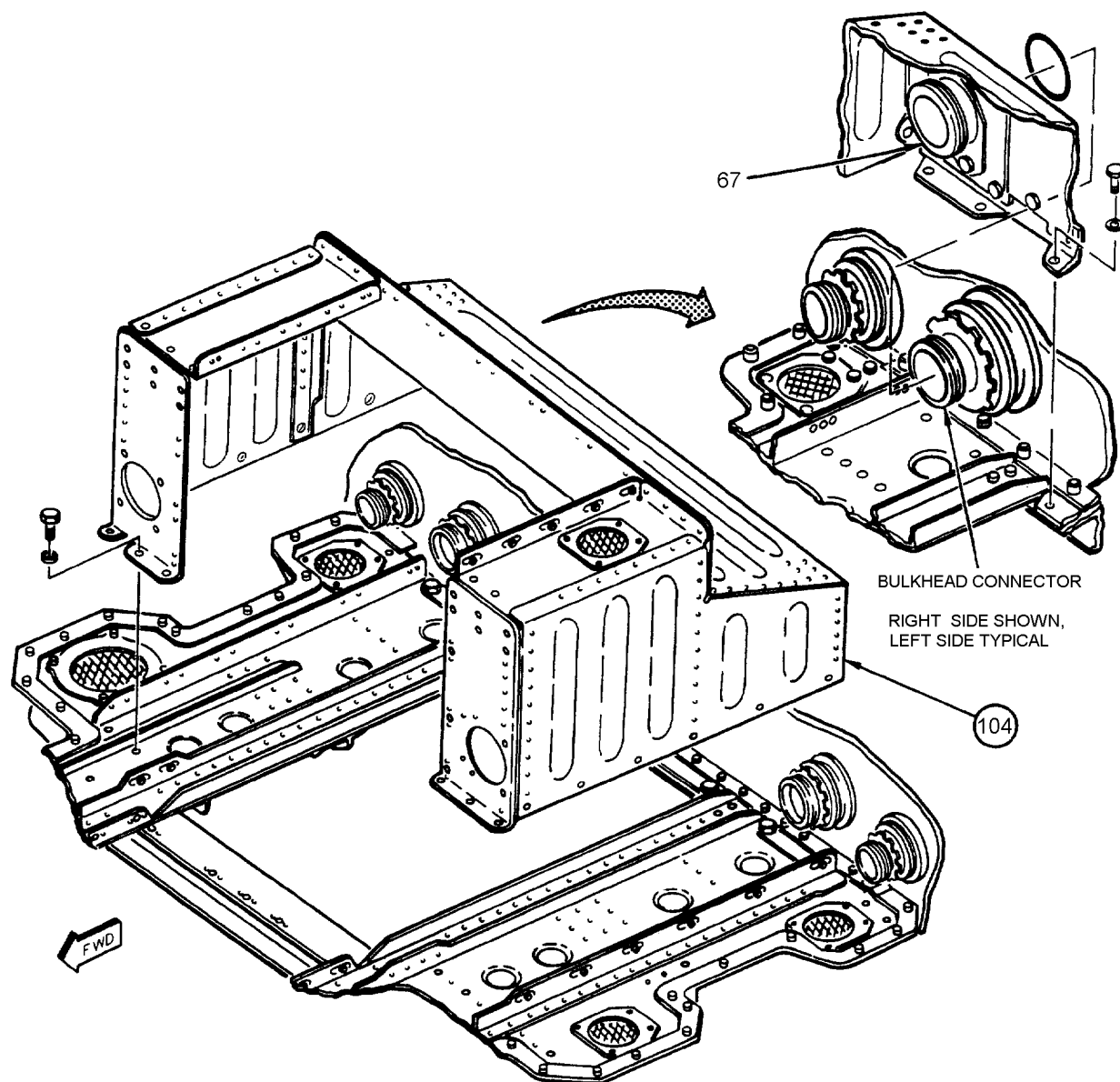
e. Remove tubes (71), connector (85) and related parts.



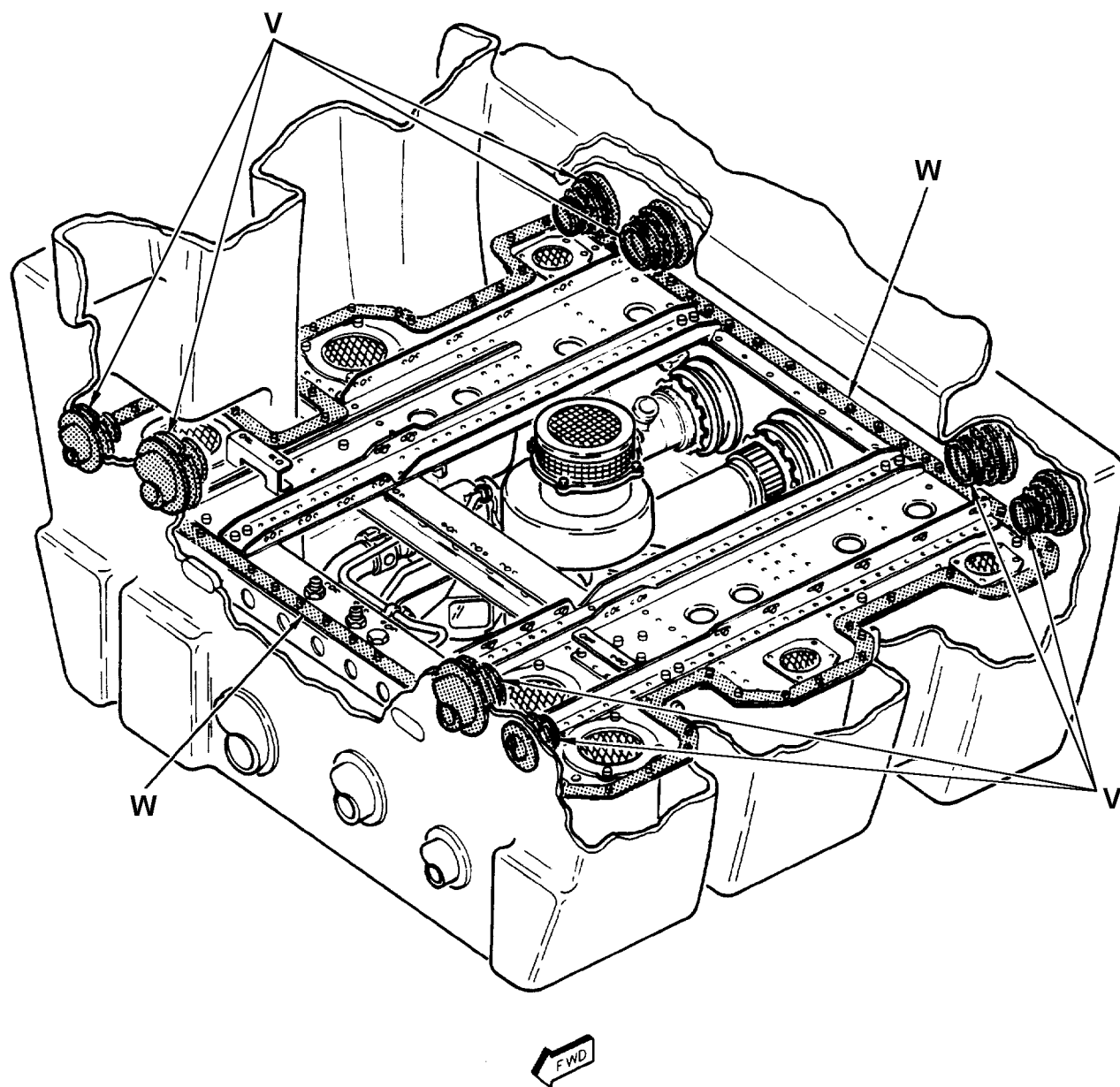
9. SEQUENCE 7.



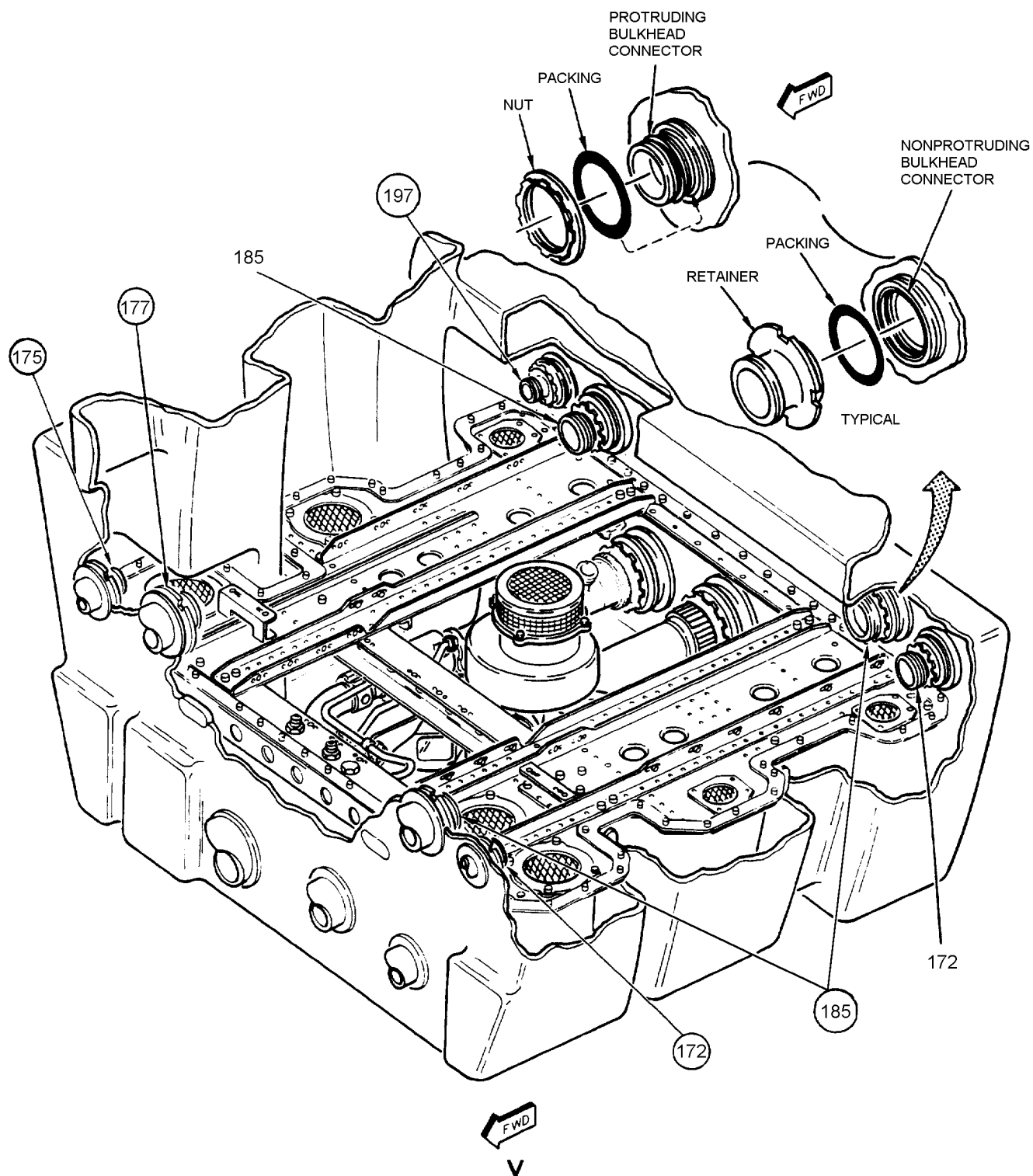
- a. Remove attaching parts from upper assembly (104).
- b. Slide upper assembly (104) forward to disengage bulkhead connectors from connectors (67) and remove upper assembly (104).



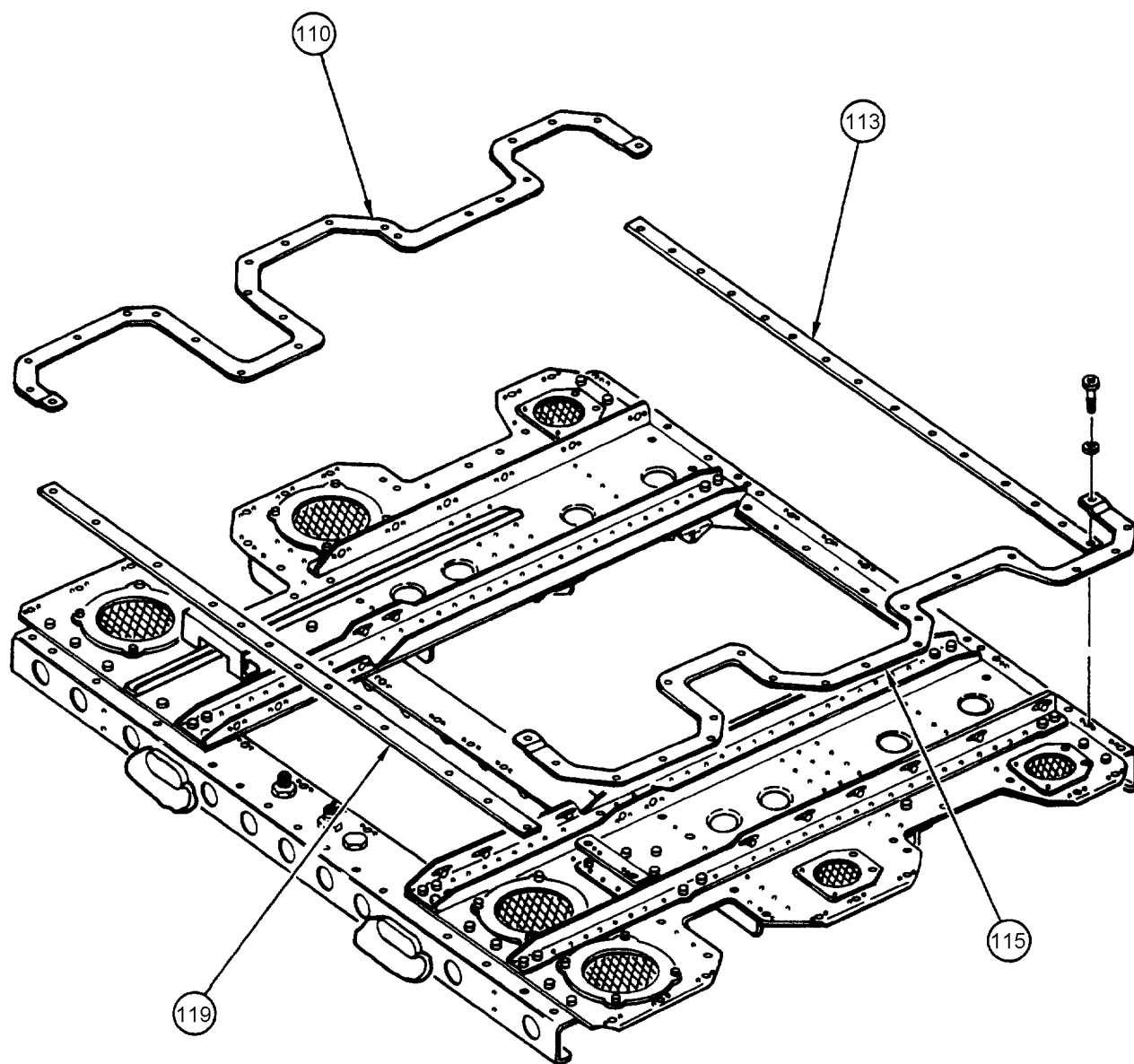
10. SEQUENCE 8.



- a. Remove nuts or retainers (172, 175 and 177, 185 and 197).

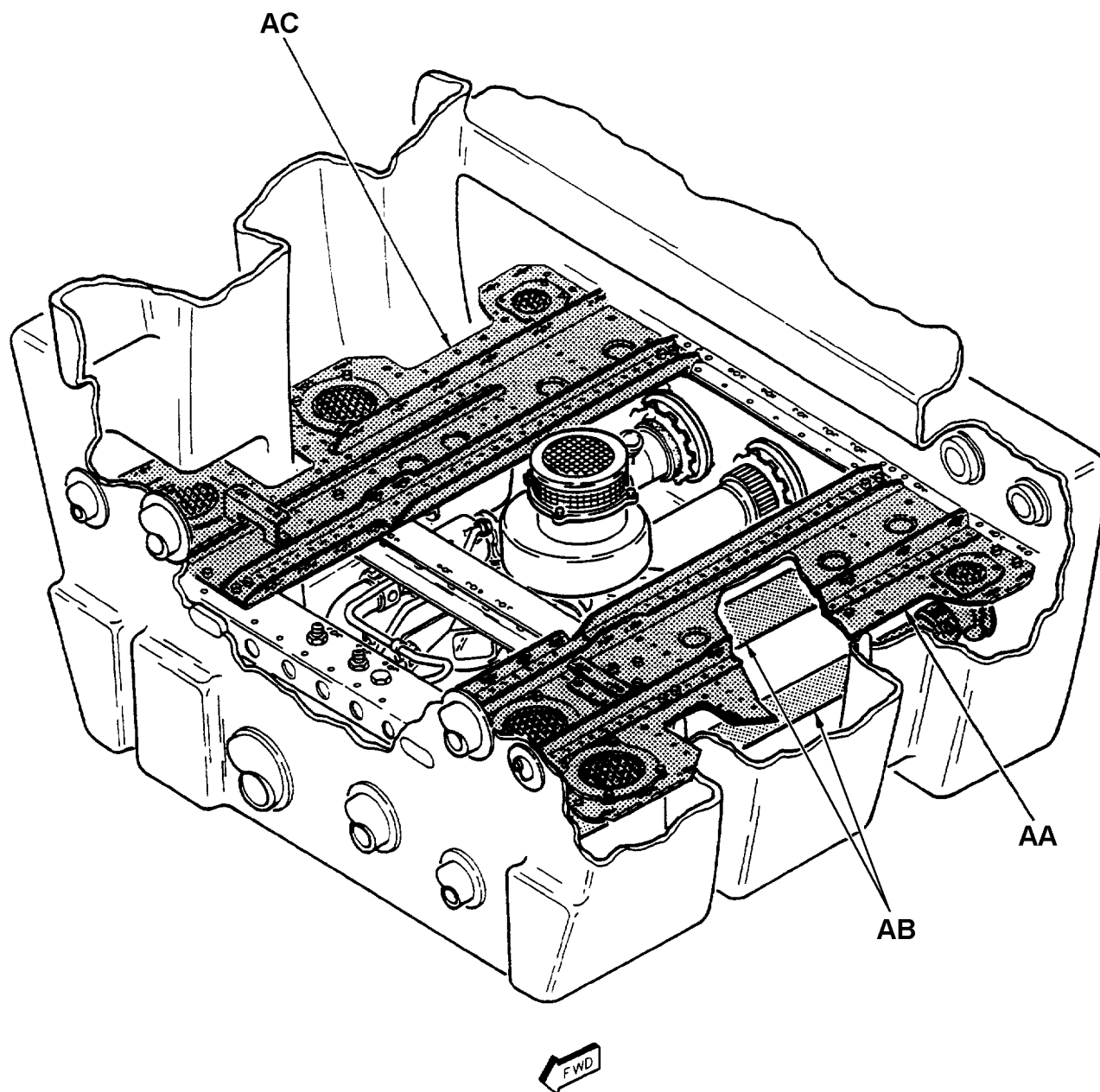


b. Remove retainers (110, 113, 115 and 119) and attaching parts.



W

11. SEQUENCE 9.



a. Remove nuts (120) and washers attaching bracket (107) to bulkhead.



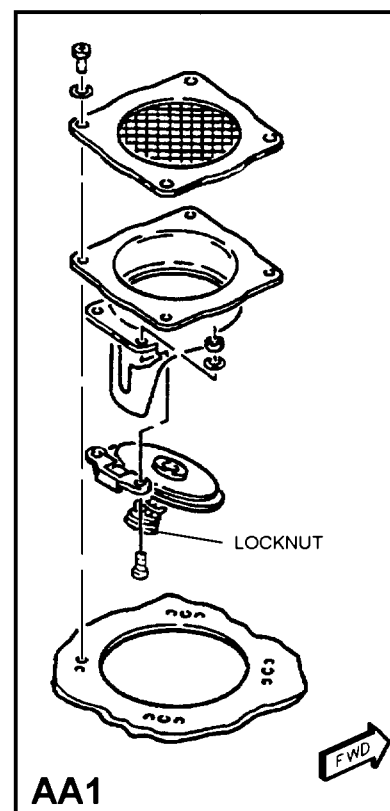
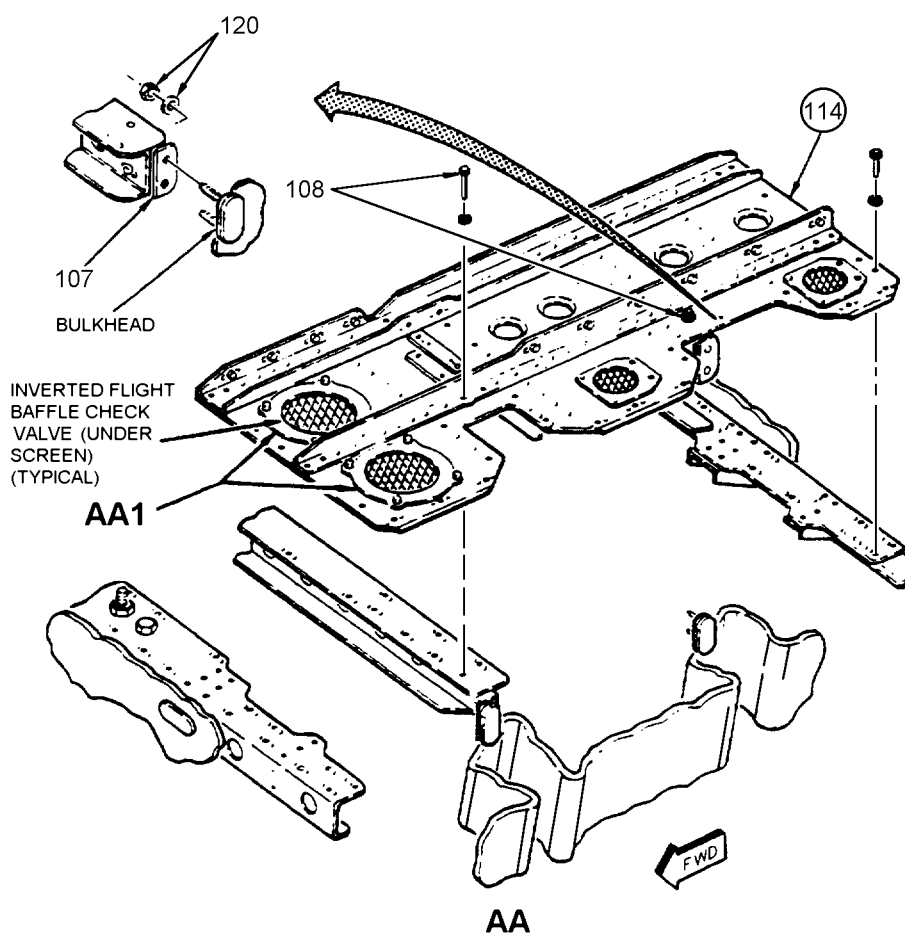
Remove web carefully to avoid damaging tank or components.

Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

b. Remove forward bolt (108) and washer, and web (114) attaching parts.

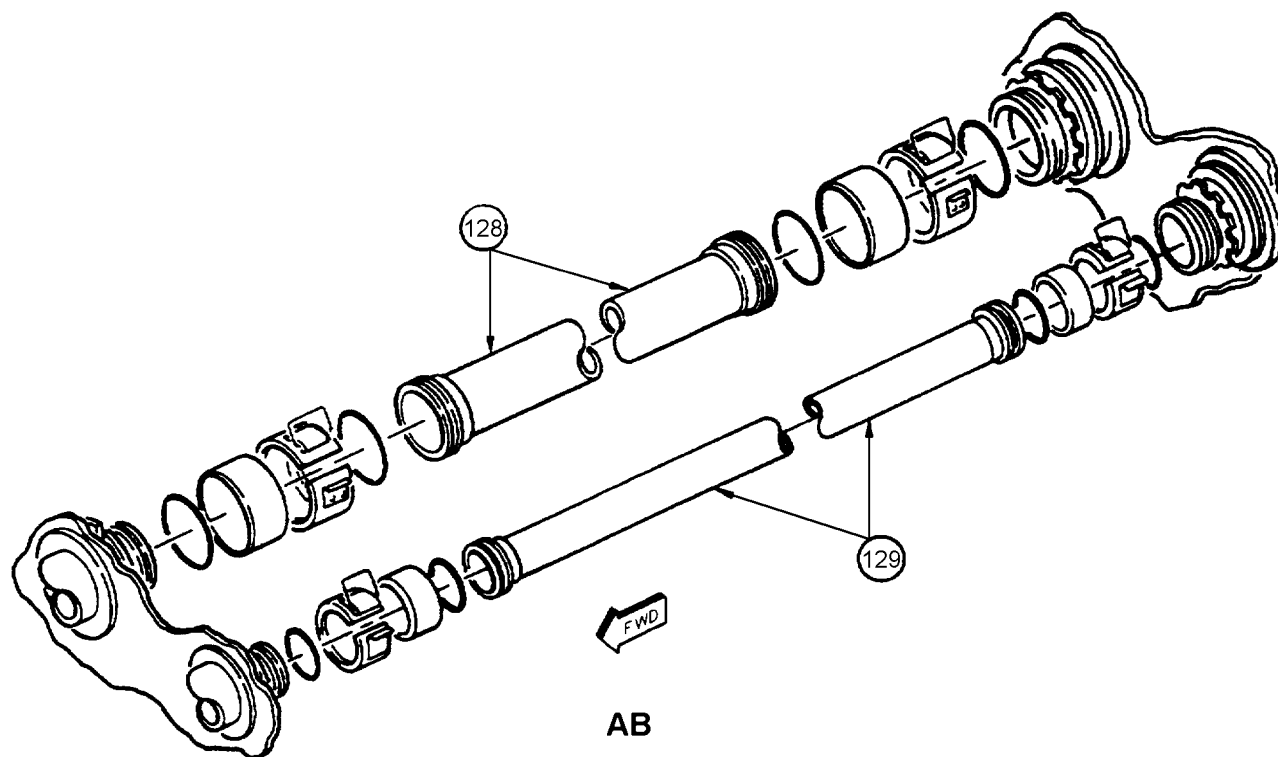
c. Disengage web (114) from bulkhead and remove.

d. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view AA1.



e. Remove tubes (128 and 129) and related parts.

f. Remove nuts (120) and washers attaching bracket (98) to bulkhead.





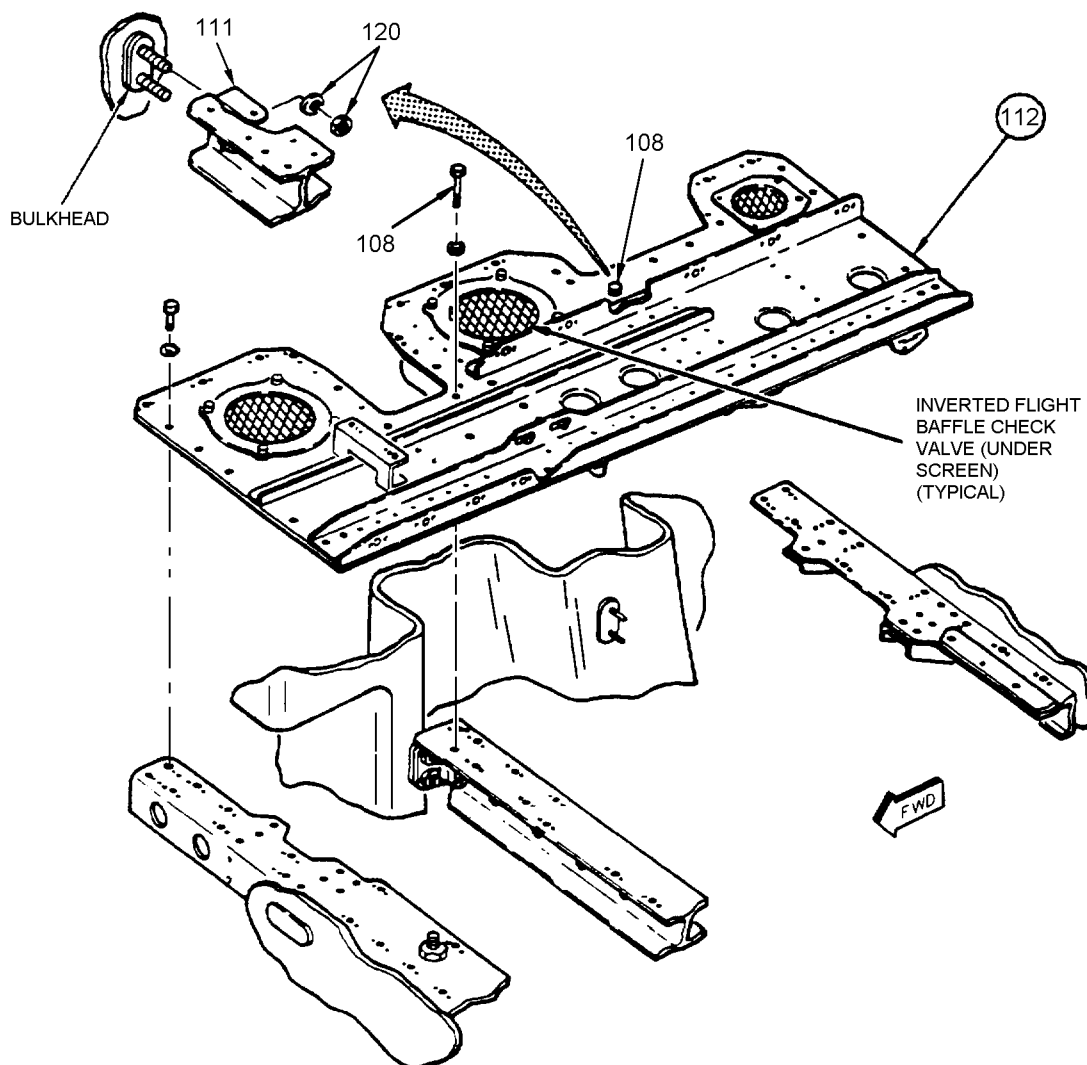
Remove web carefully to avoid damaging tank or components.

Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

g. Remove forward bolt (108) and washer, and web (112) attaching parts.

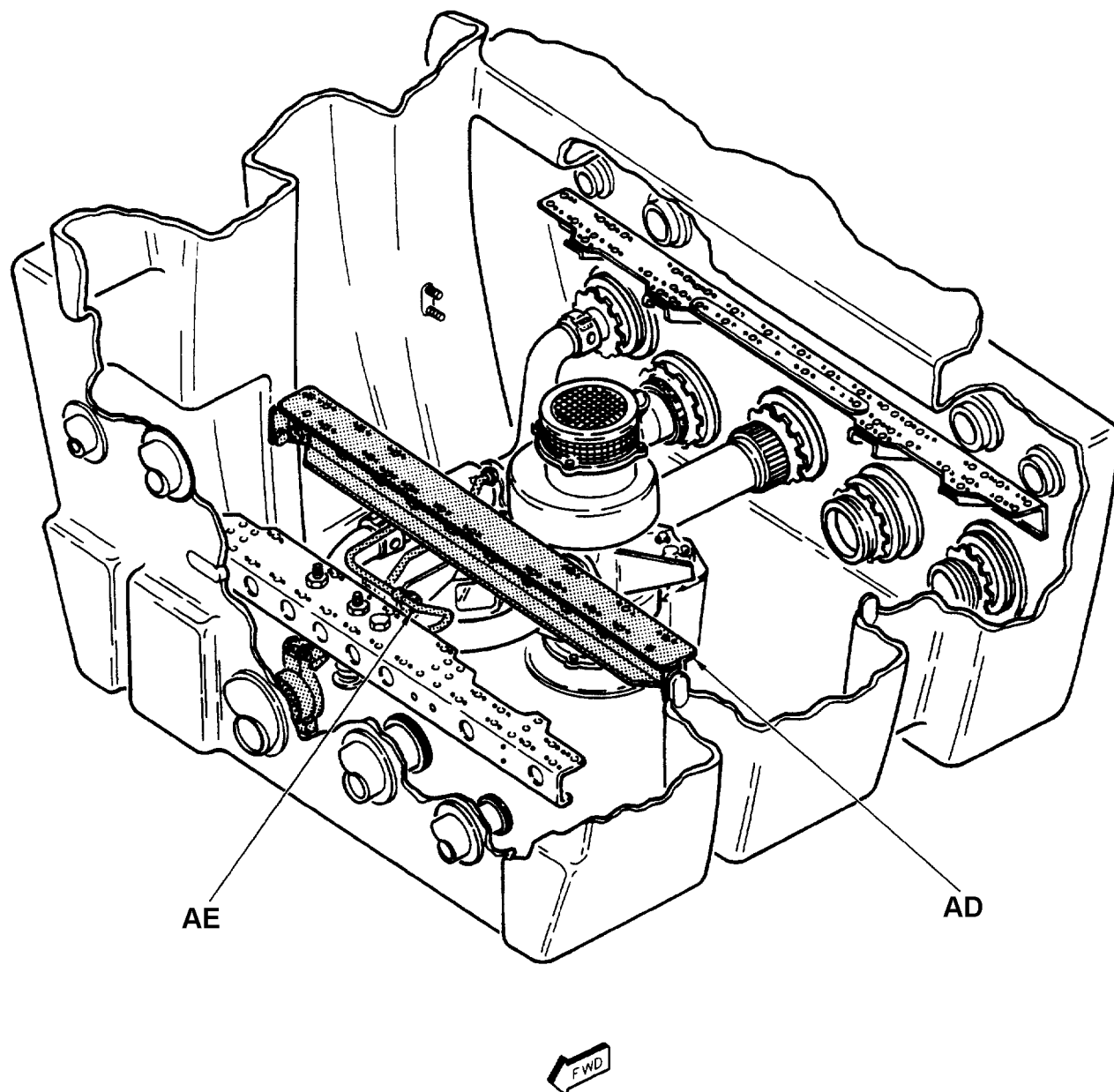
h. Disengage web (112) from bulkhead and remove.

i. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view AA1.

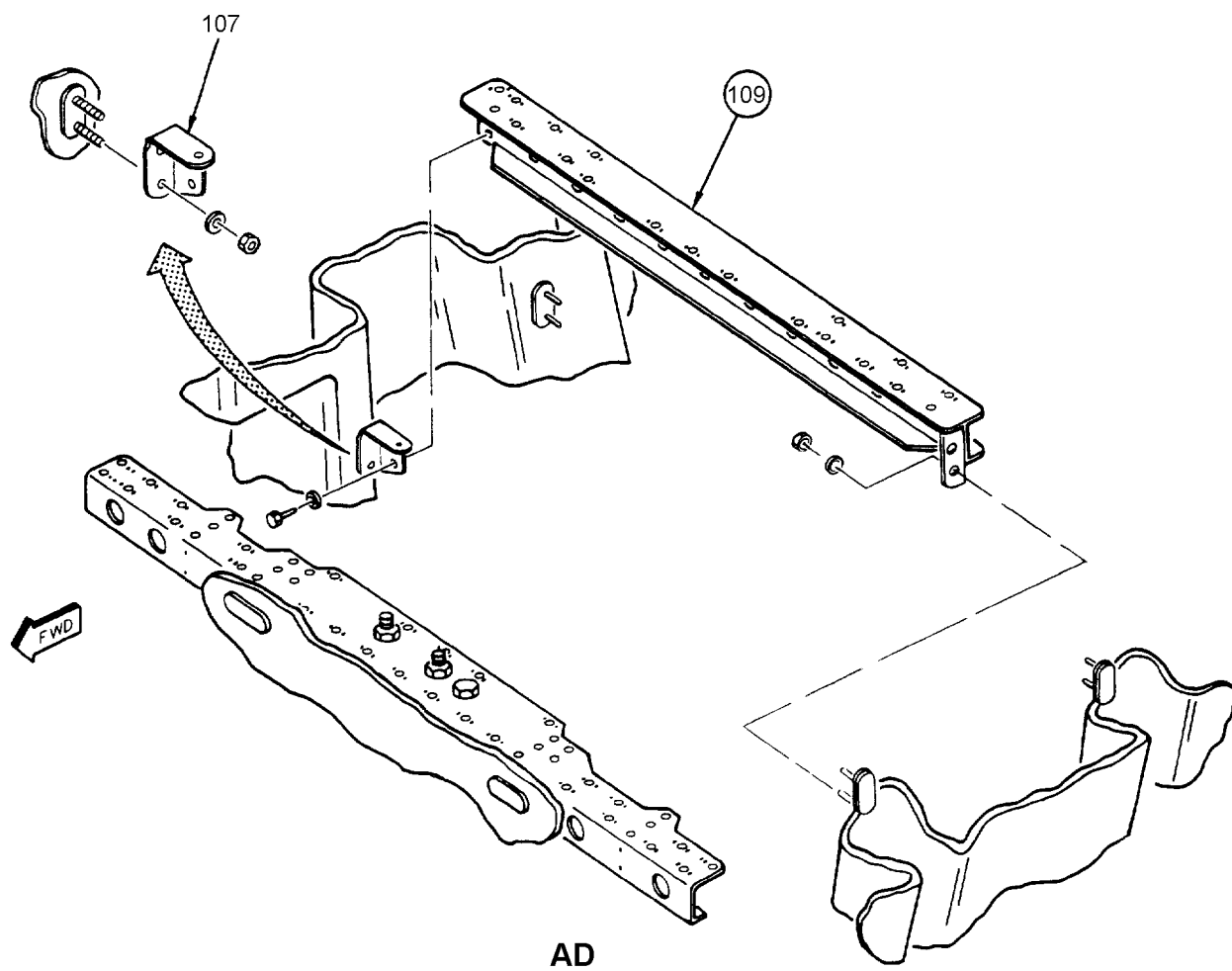


AC

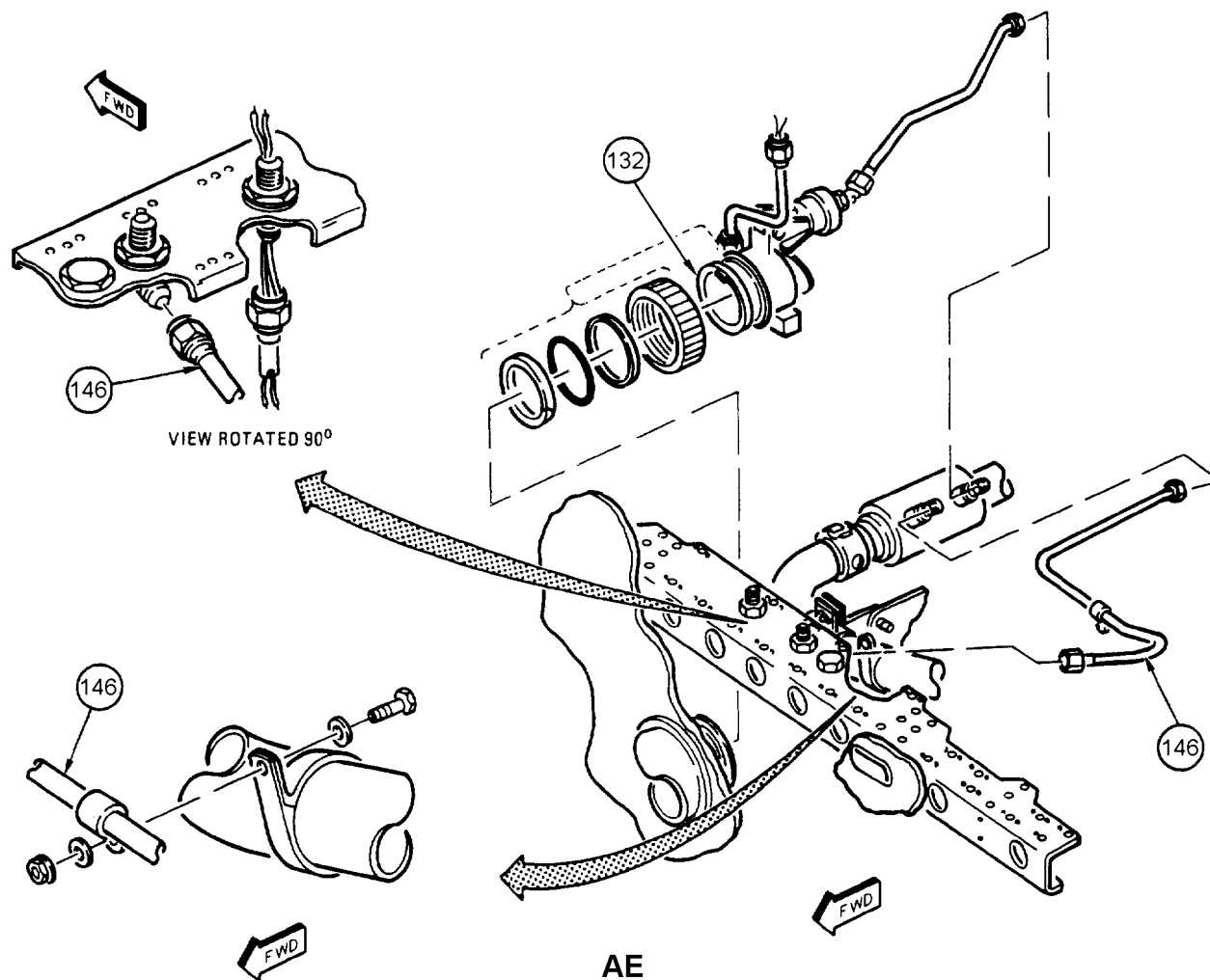
12. SEQUENCE 10.



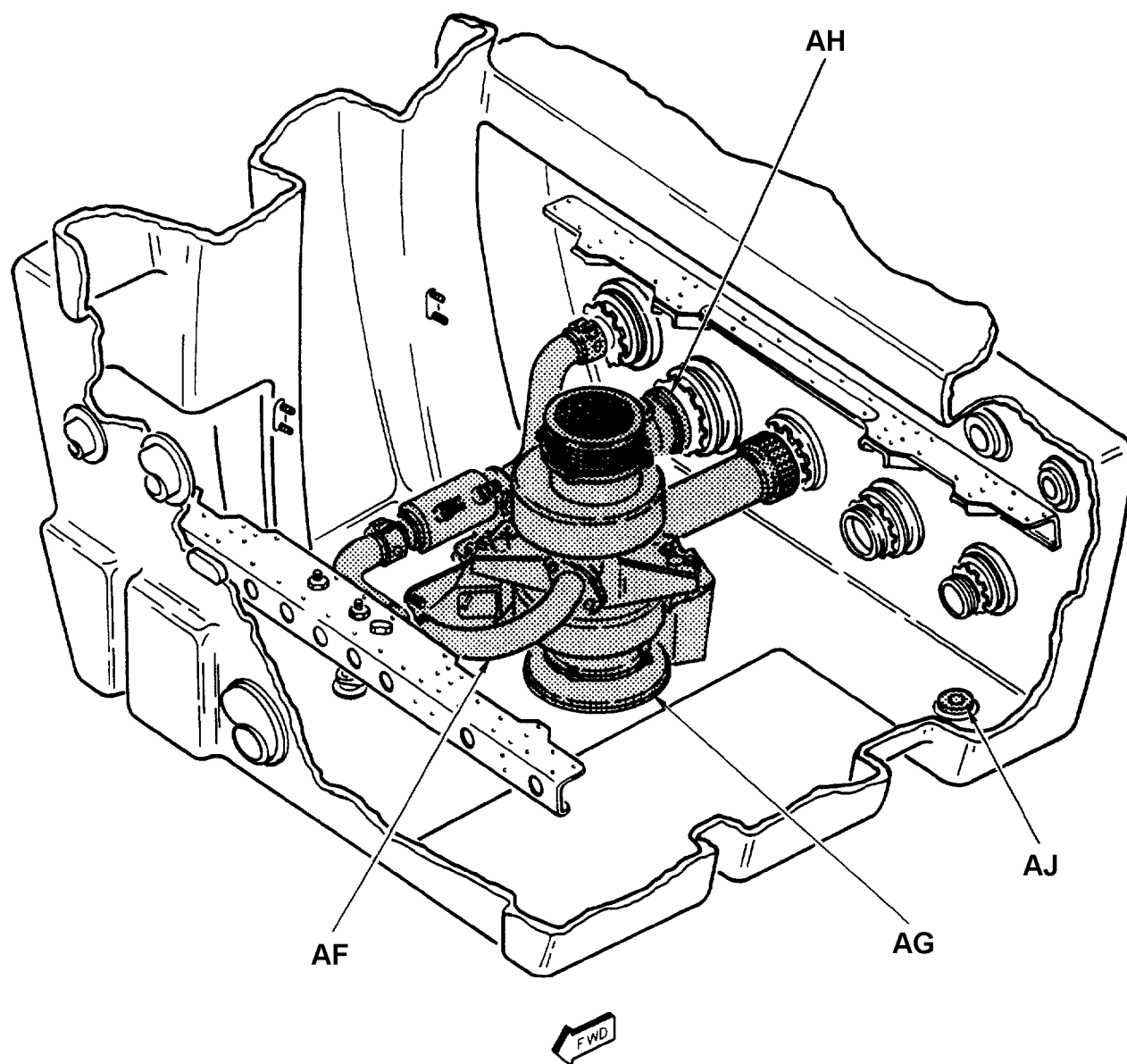
a. Remove bracket (107), channel (109) and attaching parts.



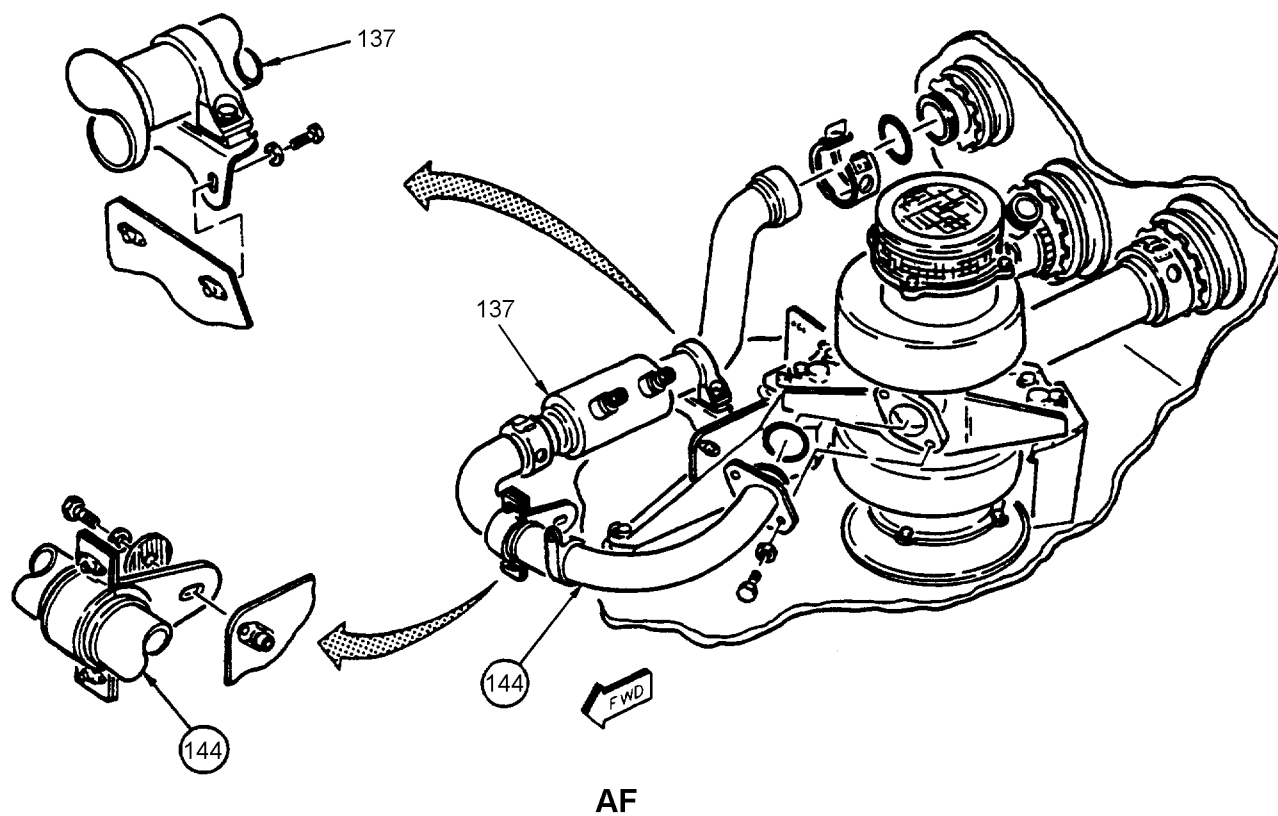
- b. Remove tube (146).
- c. Remove valve (132) and related parts.



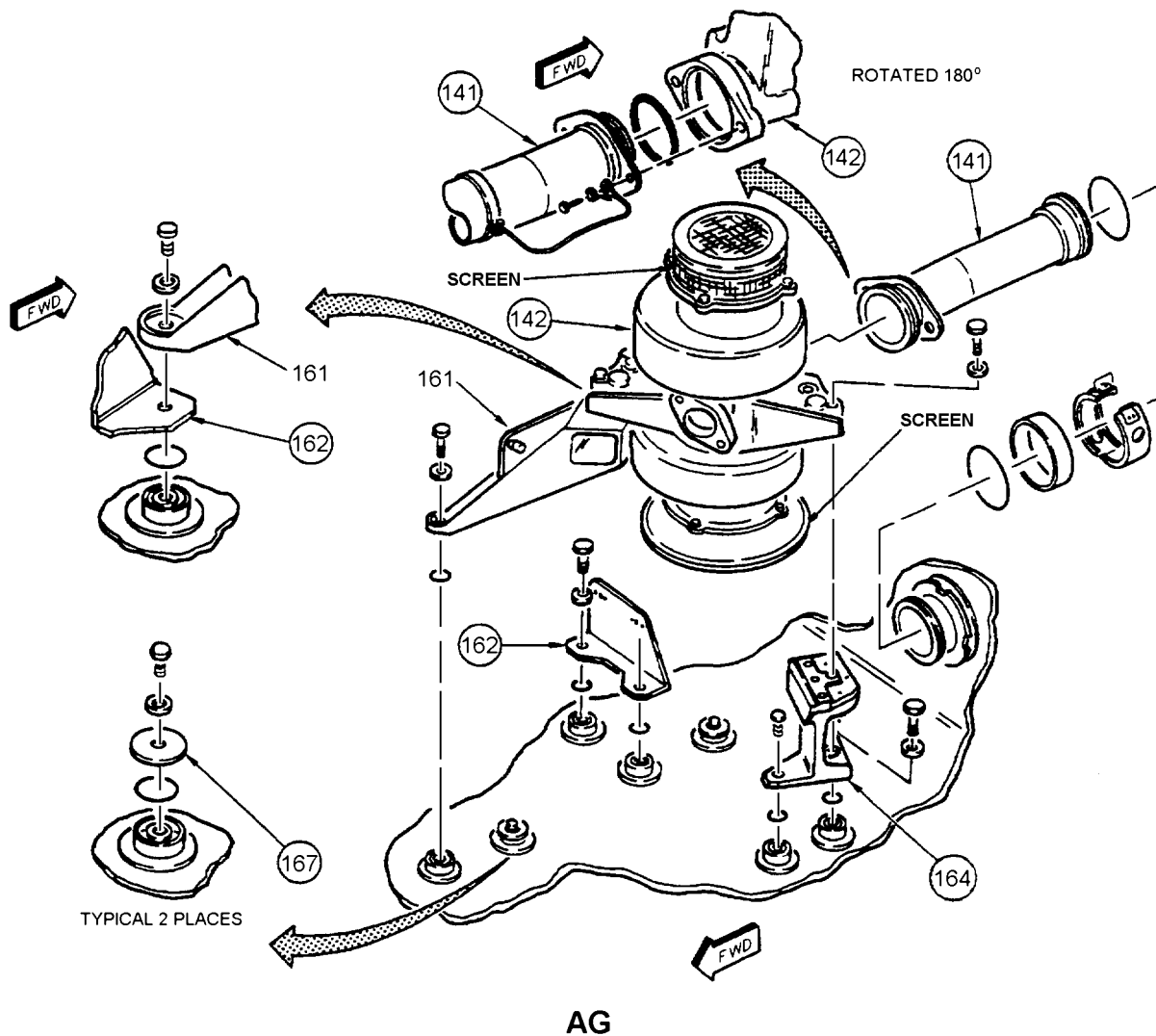
13. SEQUENCE 11.



- a. Remove tube (144) and wash filter (137) assembly with related parts.

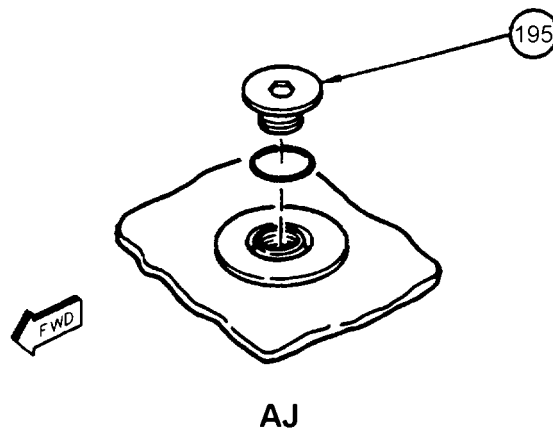
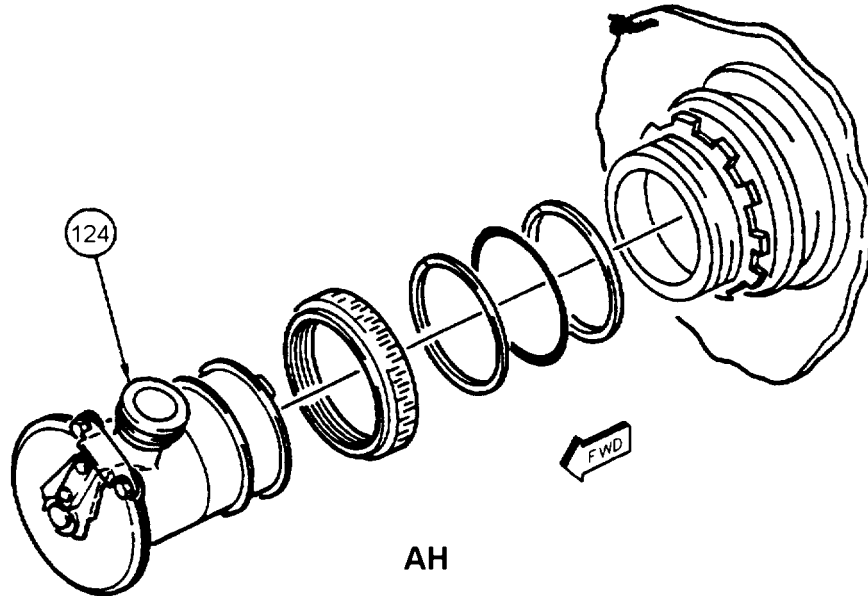


- b. Remove tube (141) and related parts.
- c. Disconnect bracket (161) at tank floor and remove boost pump (142) attaching parts from bracket (164). Remove boost pump (142) and bracket (161) as an assembly.
- d. Inspect screens on boost pump (142) for damage.
- e. Remove brackets (162 and 164) and related parts.
- f. Remove washers (167) and related parts.

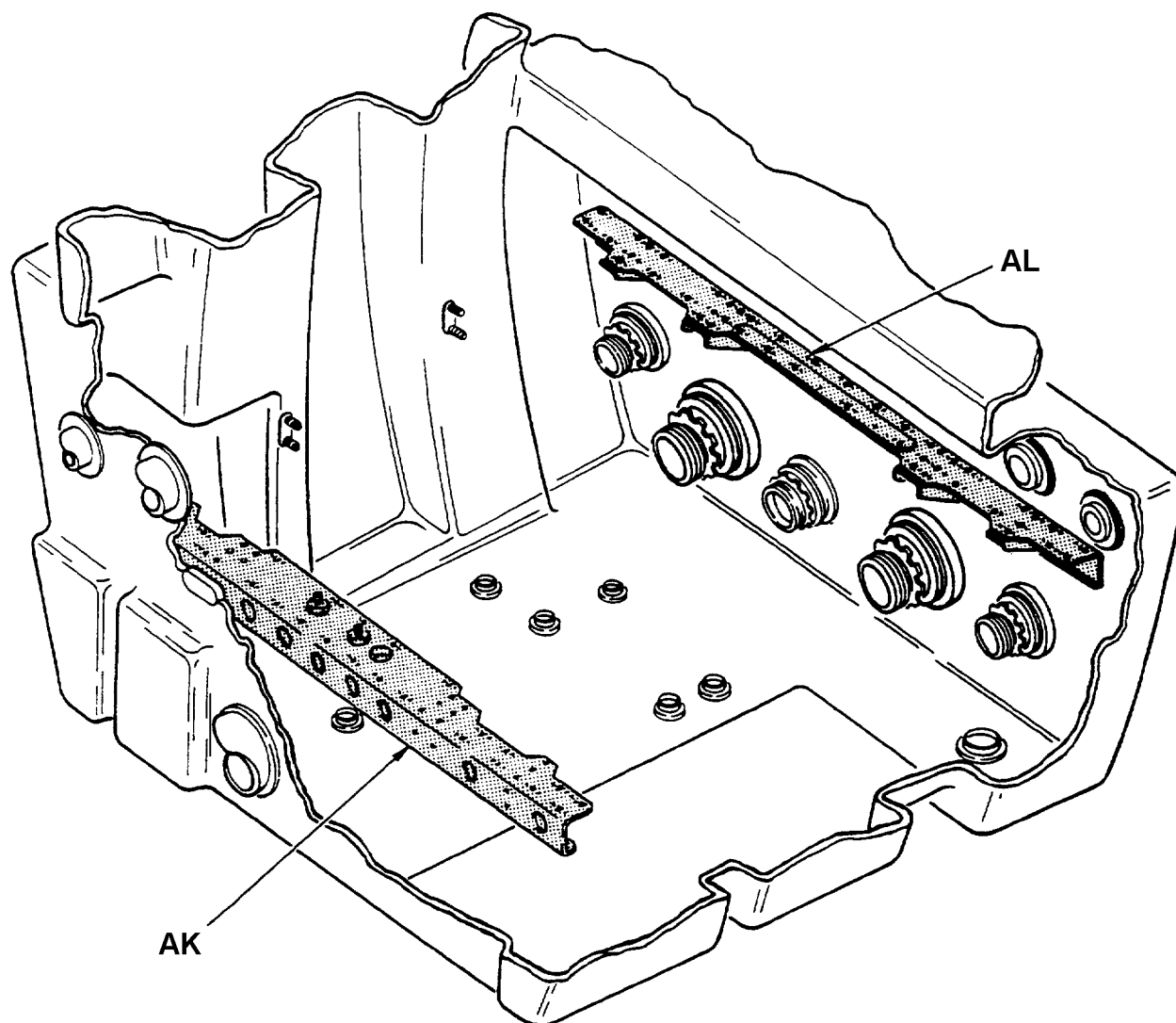


g. Remove valve (124) and attaching parts.

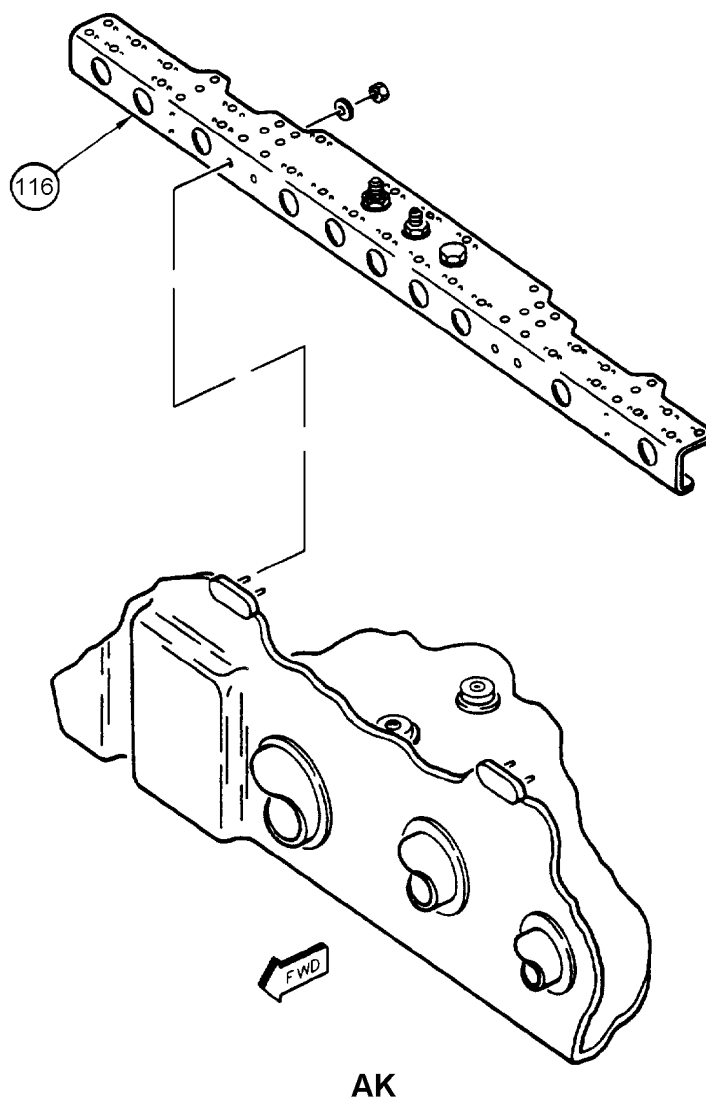
h. Remove adapter (195).



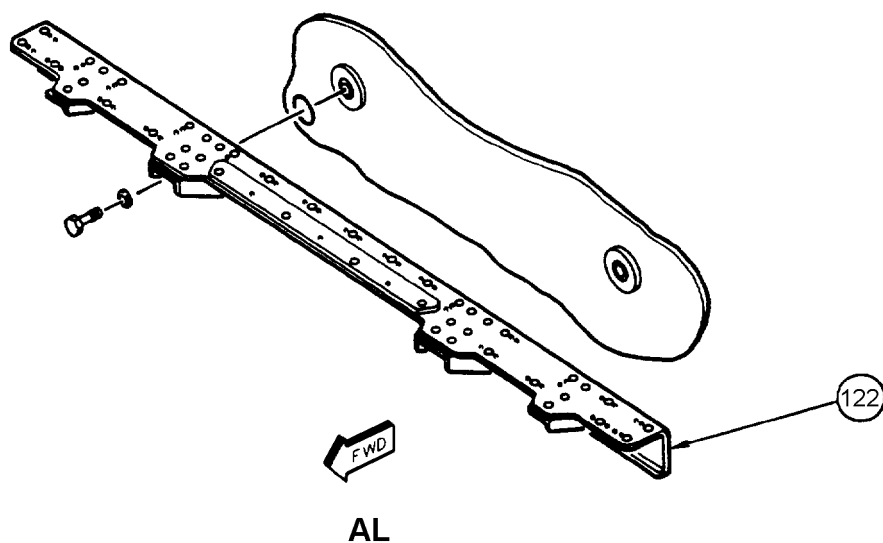
14. SEQUENCE 12.



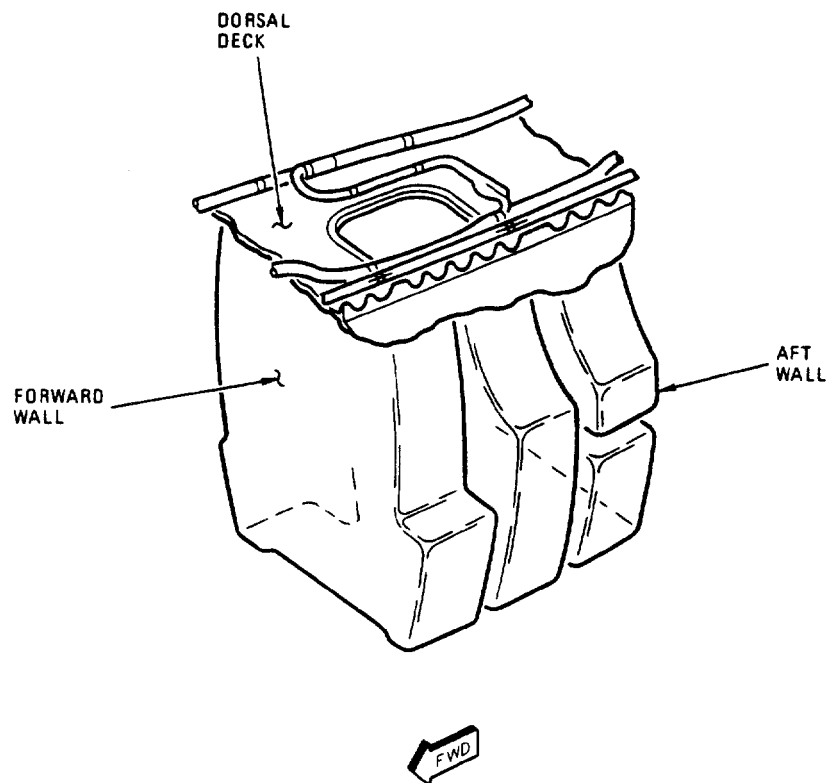
- a. Remove channel (116) and attaching parts.



- b. Remove channel (122) and attaching parts.



15. SEQUENCE 13.

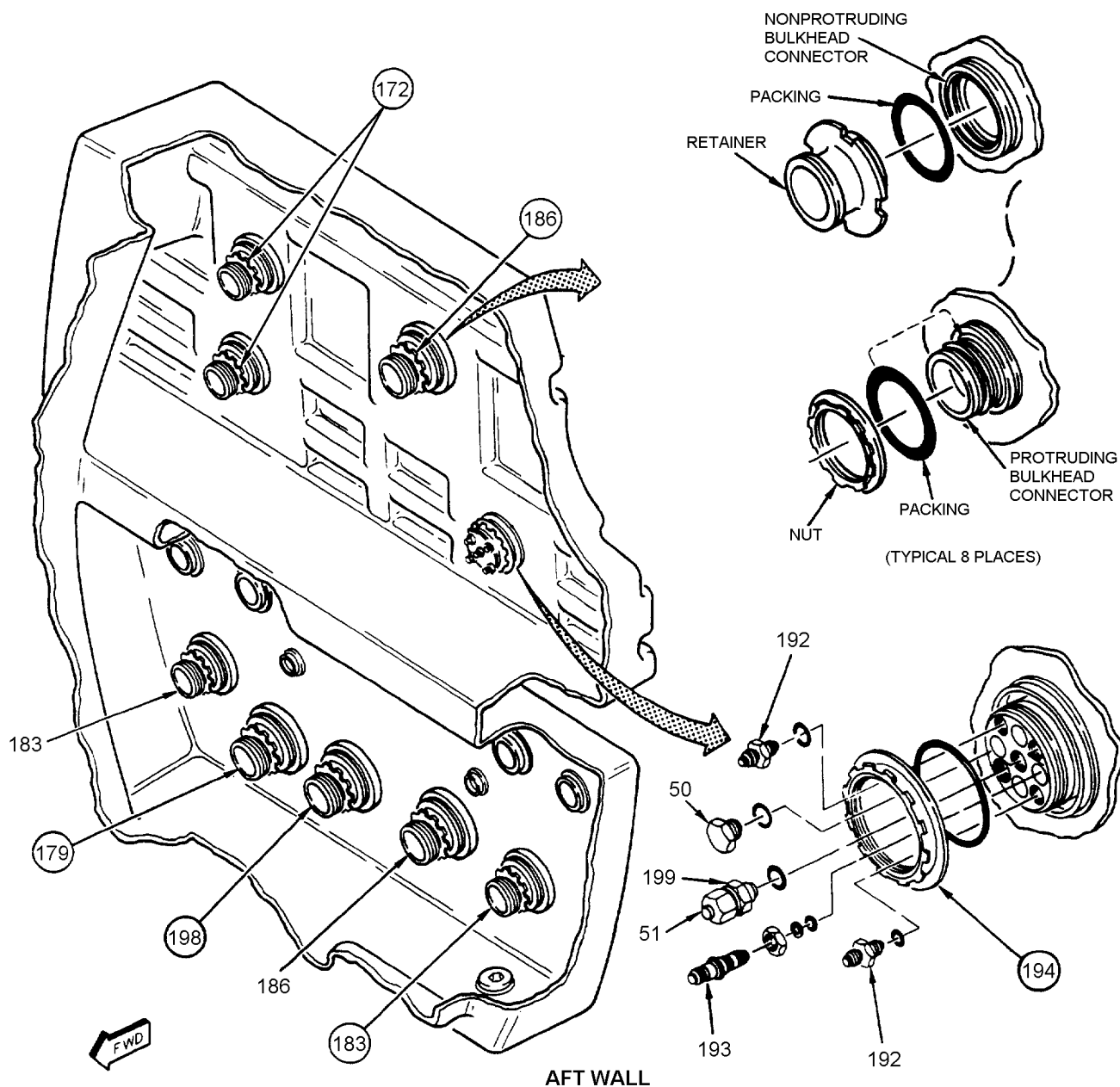


a. Remove nipples (192 and 199), elbow (193) and related parts.

b. Remove nuts or retainers (172, 179, 183, 186 and 198) and nut (194) on aft wall.

NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.



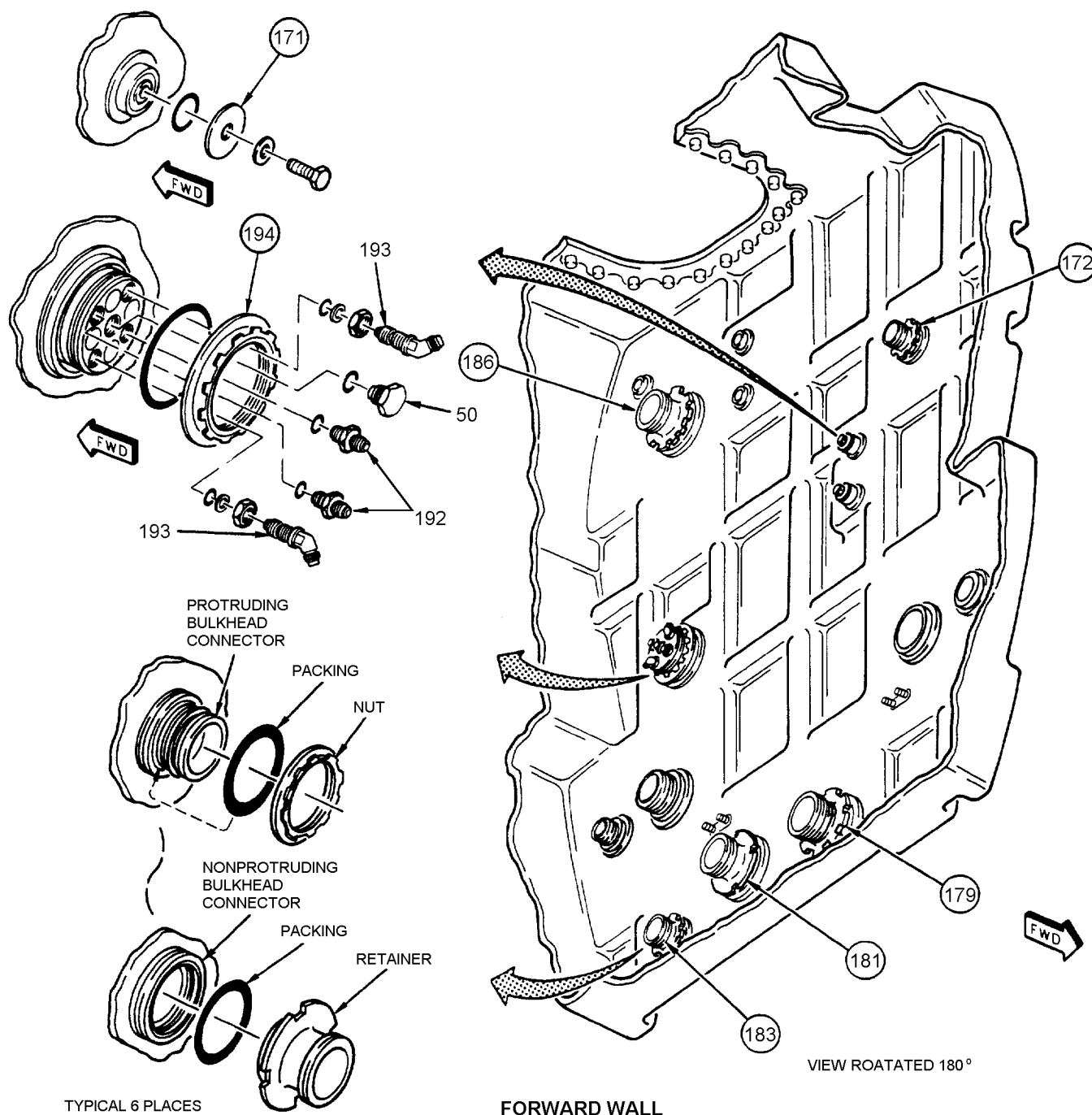
c. Remove elbows (193) and nipples (192) and plug (50).

NOTE

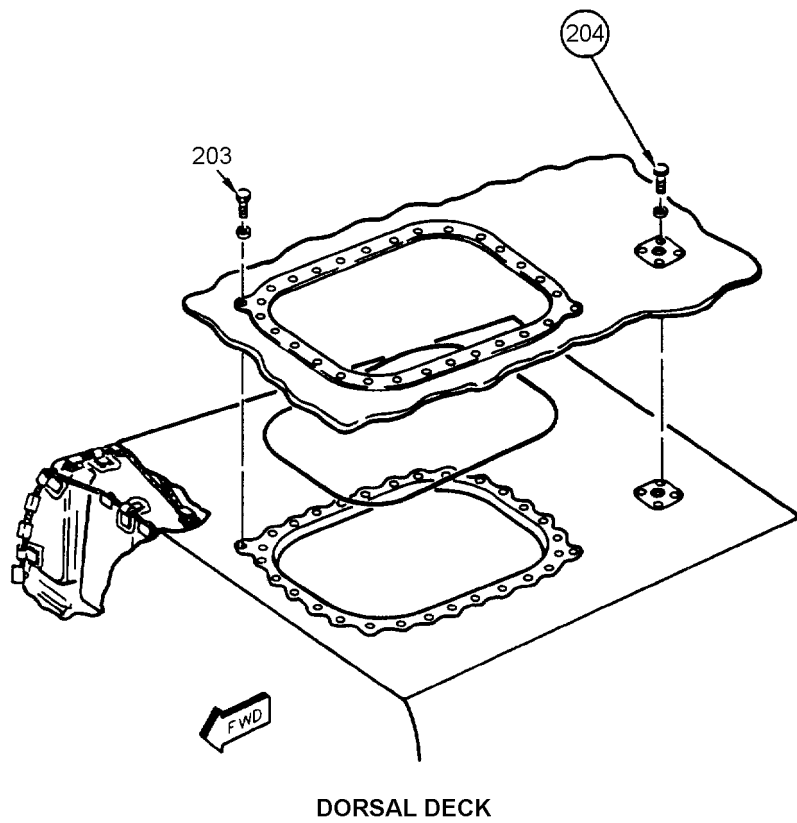
High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

d. Remove retainers (172, 179, 181, 183 and 186) and nut (194) from forward wall.

e. Remove washers (171) and related parts.



f. Remove bolts (203 and 204) and attaching parts.



16. SEQUENCE 14.

a. Apply pressure sensitive tape to threads of all protruding type bulkhead fittings.



To prevent damage to fuel tank, be careful when cutting lacing cords.

b. Carefully cut all lacing cords.



To prevent damage to fuel tank, fuel tank fittings and cavity bulkhead fittings, do not allow fuel tank fittings to become cocked on cavity bulkhead fittings during removal. Be careful when lowering tank from cavity bulkhead fittings.

To avoid damage to fuel tank fittings, do not use pliers when removing tank from bulkhead fittings.

NOTE

Make sure packings are removed before pulling tank off bulkhead fittings.

When removing tank from protruding type bulkhead fittings, remove forward lower left side of tank first.

c. Working between fuel tank cavity and fuel tank, using fuel cell removal/installation tool set (WP009 01), slide tank off all cavity bulkhead fittings and place barrier material between tank and bulkhead fittings as required.

d. Remove protective pad from tank (WP009 01).

e. Fold and remove fuel tank (WP025 00). Make sure tank is off all bulkhead fittings.

17. CAVITY INSPECTION. (QA)

a. Observe applicable fuel tank maintenance precautions (WP013 00).



Failure to do steps below may result in damage to fuel tank.

b. Clean (WP039 00) and inspect all fittings of:

(1) dirt

(2) paint

(3) grease

(4) corrosion

(5) foreign material that would prevent a correct seal

c. Inspect for and repair/replace fittings (WP038 00) and if applicable retainers (WP038 01).

(1) cracks

(2) scratches

(3) nicks

(4) distortion

(5) damaged threads

(6) damage that would cause mismatching, or prevent a correct seal

d. Inspect for and replace (WP025 01) all foam that is:

(1) loose

(2) damaged

(3) fuel soaked (fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00)

(4) missing

e. Inspect for and replace (WP039 00) all pressure sensitive tape that is damaged, loose or does not cover:

- (1) rivet collars
- (2) nuts
- (3) bolts
- (4) bucked head of rivets
- (5) lap joints with a thickness of 0.126 inch or more
- (6) sharp or rough areas of backing boards
- (7) sharp edges that could chafe tank

f. Inspect for and replace (WP035 01) backing boards that are:

- (1) damaged
- (2) fuel soaked

g. Inspect for and replace thermal insulation blankets (WP036 01) that are:

- (1) damaged
- (2) loose
- (3) fuel soaked

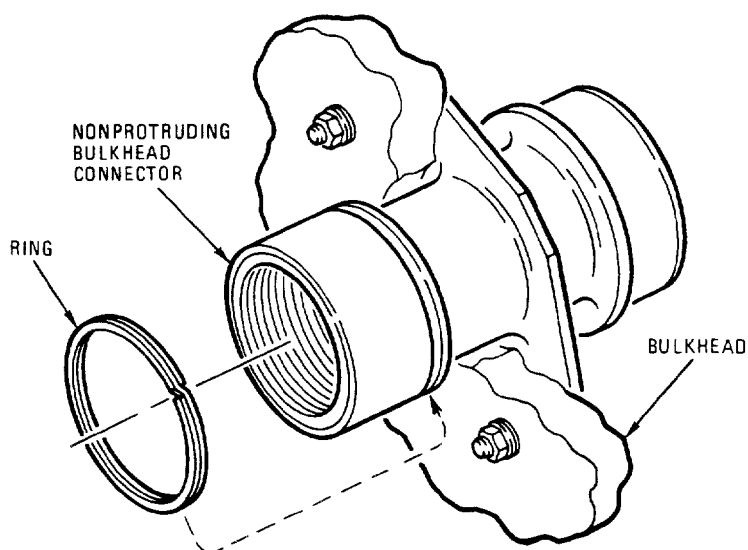
h. Inspect complete cavity for:

- (1) burrs, metal edges or protrusions not covered with anti-chafe tape or foam which could cause damage to fuel cell
- (2) loose, missing or damaged lacing clips
- (3) cleanliness
- (4) corrosion

NOTE

Nonprotruding bulkhead connectors have ring on one side only, opposite side has fixed flange.

i. Inspect applicable bulkhead connectors and replace (WP042 00) missing or damaged rings.



ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 3 FUEL TANK (5CAP510)

FUEL STORAGE SYSTEM

Title	WP Number
Installation - No. 3 Fuel Tank - 161353 THRU 161715 BEFORE F/A-18 AFC 18	
AND F/A-18 AFC 53	023 01
Installation - No. 3 Fuel Tank - 161716 AND UP	023 02
Installation - No. 3 Fuel Tank - 161353 THRU 161715 AFTER F/A-18 AFC 18	
AND F/A-18 AFC 53	023 03

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
INSTALLATION - NO. 3 FUEL TANK (5CAP510)
FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Fuel System	A1-F18AC-460-300
No. 3 Fuel Tank Access Cover	WP006 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 3 Fuel Tank Inspection and Folding	WP025 00
IPB - No. 3 Fuel Tank	WP024 01
No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports	WP042 00
Fuel System	A1-F18AC-460-200
Internal Fuel Transfer and Engine Fuel Supply System	WP012 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Plane Captain Manual	A1-F18AC-PCM-000

Alphabetical Index

Subject	Page No.
General	2
Installation	4
Materials Required	2
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA F/A-18-00143)	1 Mar 83	-

Support Equipment Required

1. GENERAL.

Part Number or
Type Designation

Nomenclature

NOTE

-

Torque Wrench,
0 to 60
Inch-Pounds

For complete parts list, see no. 3 fuel tank parts list (WP024 01).

-

Torque Wrench,
0 to 200
Inch-Pounds

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

74D460019-1001
and
74D460029-1001Fuel Cell
Removal/Installation
Tool Set

a. Do or observe applicable fuel tank maintenance precautions (WP013 00).

74D460102-1001

Fuel Tank
Bulkhead Nut
Adapter Set**WARNING**

152016-1

Fuel Tank Bulkhead
Adapter (Retainer)
Socket Wrench Set

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks can occur resulting in fire hazard.

Materials Required

Specification
or Part Number

Nomenclature

NOTE

MIL-C-5040, Type 3
(CAGE 81349)

Cord, Fibrous

Nonprotruding bulkhead connectors have a retaining ring on one side only, opposite side has fixed flange.

MS20995NC32
(CAGE 96906)

Lockwire

VV-P-236
(CAGE 81348)

Petrolatum, Technical

74K580003-1005
(CAGE 76301)Preformed Packing
Assortment

b. Inspect applicable nonprotruding bulkhead connectors and replace (WP042 00) missing or damaged retaining rings.

474
(CAGE 26066)Tape, Pressure
Sensitive

c. Apply pressure sensitive tape to all protruding type fittings inside cavity.

NOTE

Tie start knots of all lacing cords at first cavity lacing bracket before installing fuel tank to ease lacing procedure.

d. Fold and insert fuel tank (WP025 00).

e. After positioning tank in cavity, remove pressure sensitive tape from cavity fittings.



Petrolatum, Technical, VV-P-236

1

f. Lubricate new packings with petrolatum before installation.

g. For alignment and spacing of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on procedure. (QA)

i. When a sequence is completed, inspect applicable tasks listed below for compliance: (QA)

(1) Specific torque callouts.

(2) Items safetied with lockwire.

(3) Foreign objects removed.

(4) Coupling condition and security.

(5) Tube/line condition and security, and torque if printed on tube/line.

(6) Fuel tank (bladder) condition.

2. **INSTALLATION.**3. **SEQUENCE 1.**

- a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on forward tank wall and two each on left and right side of tank).

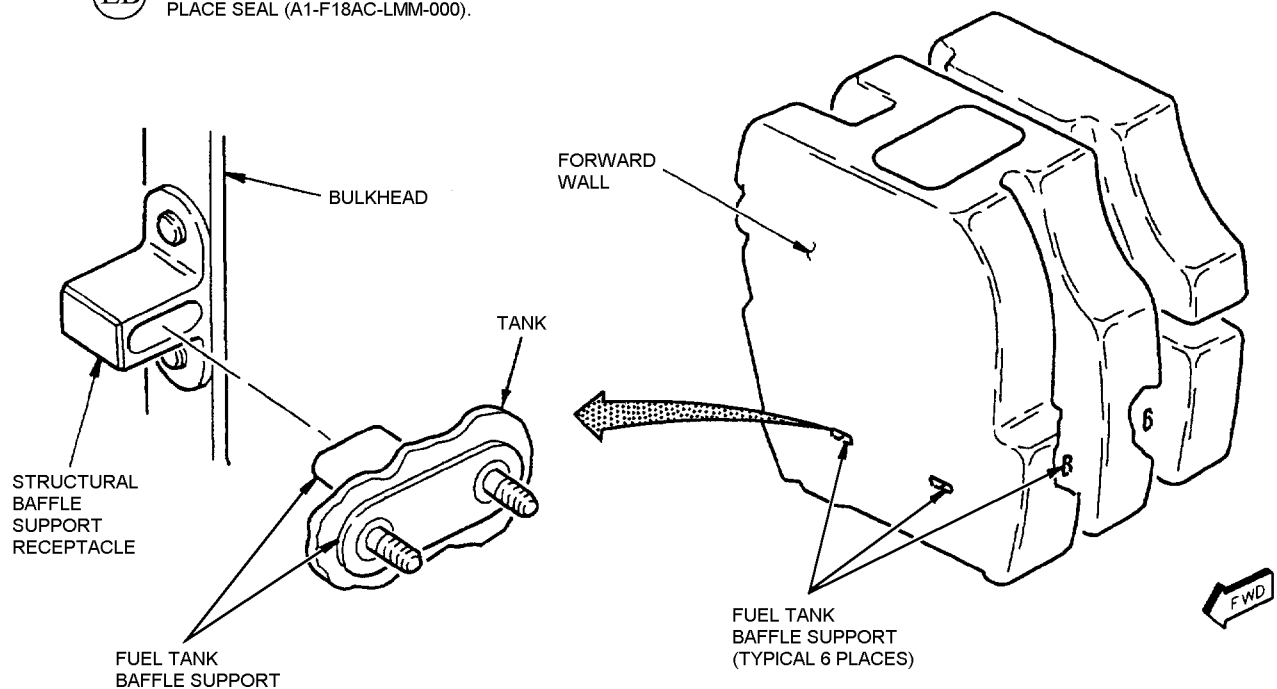


To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle receptacles.

LEGEND

1 USE ONLY COUPLINGS W901K, W904K, 14J12 OR 14C12

EB ELECTRICAL BOND HOLE UNLESS COVERED BY FORM IN PLACE SEAL (A1-F18AC-LMM-000).



02301p04

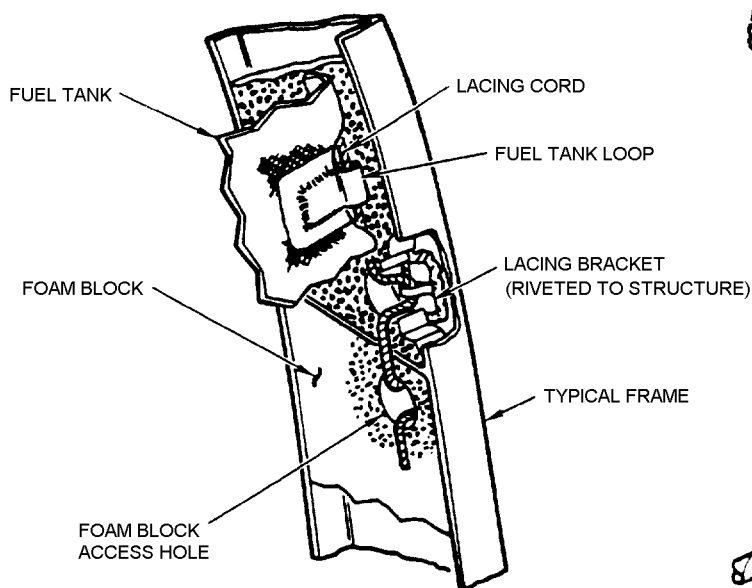
b. Cut lacing cords per chart below.

c. Finish end of lacing cords (WP013 00).

d. Install lacing cords following the sequence numbers shown on the next page. (S equals start, F equals finish).

e. Always pull cord completely through lacing bracket and fuel tank loop before starting into next bracket or loop.

LENGTH OF CORD	QTY
4 FEET	2
5 FEET	5
6 FEET	4
7 FEET	1



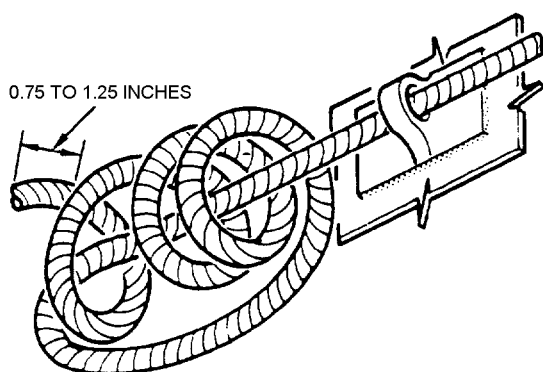
TYPICAL LACING PROCEDURE



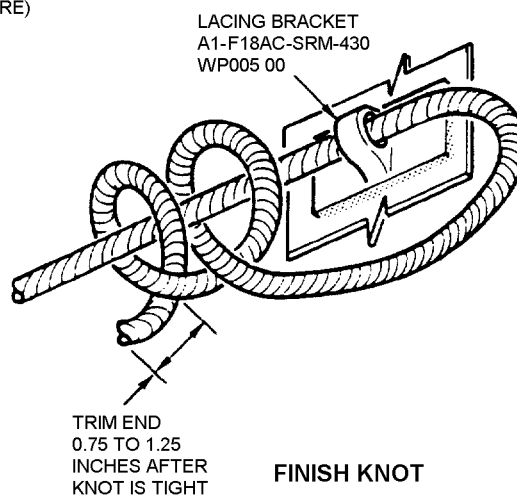
To prevent damage to fuel tank, be careful when trimming lacing cords.

f. Limit lacing cord length to 0.75 to 1.25 inches past knot and finish per WP013 00.

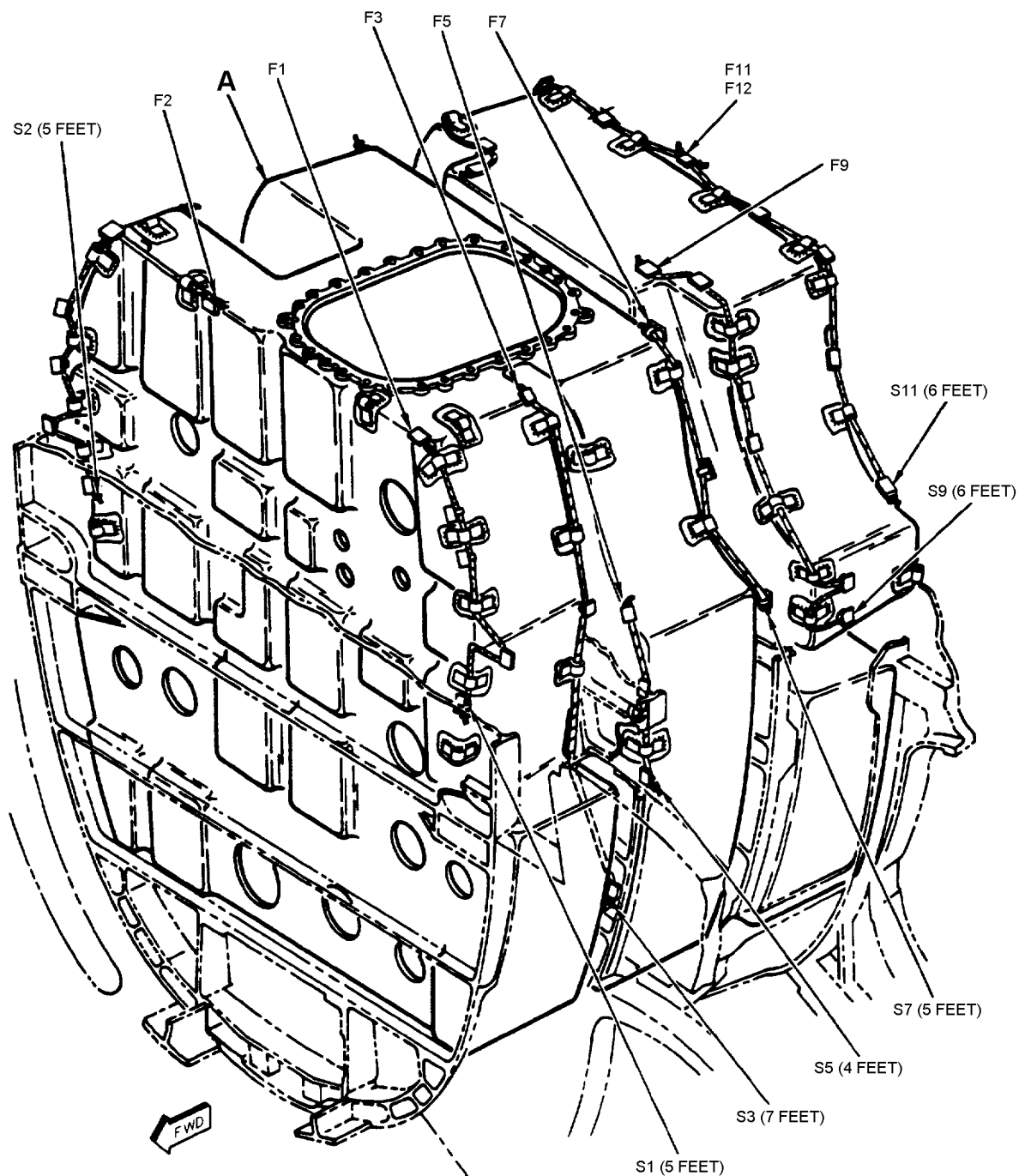
g. Lace right side of tank the same as left side, alternating from one side to the other.

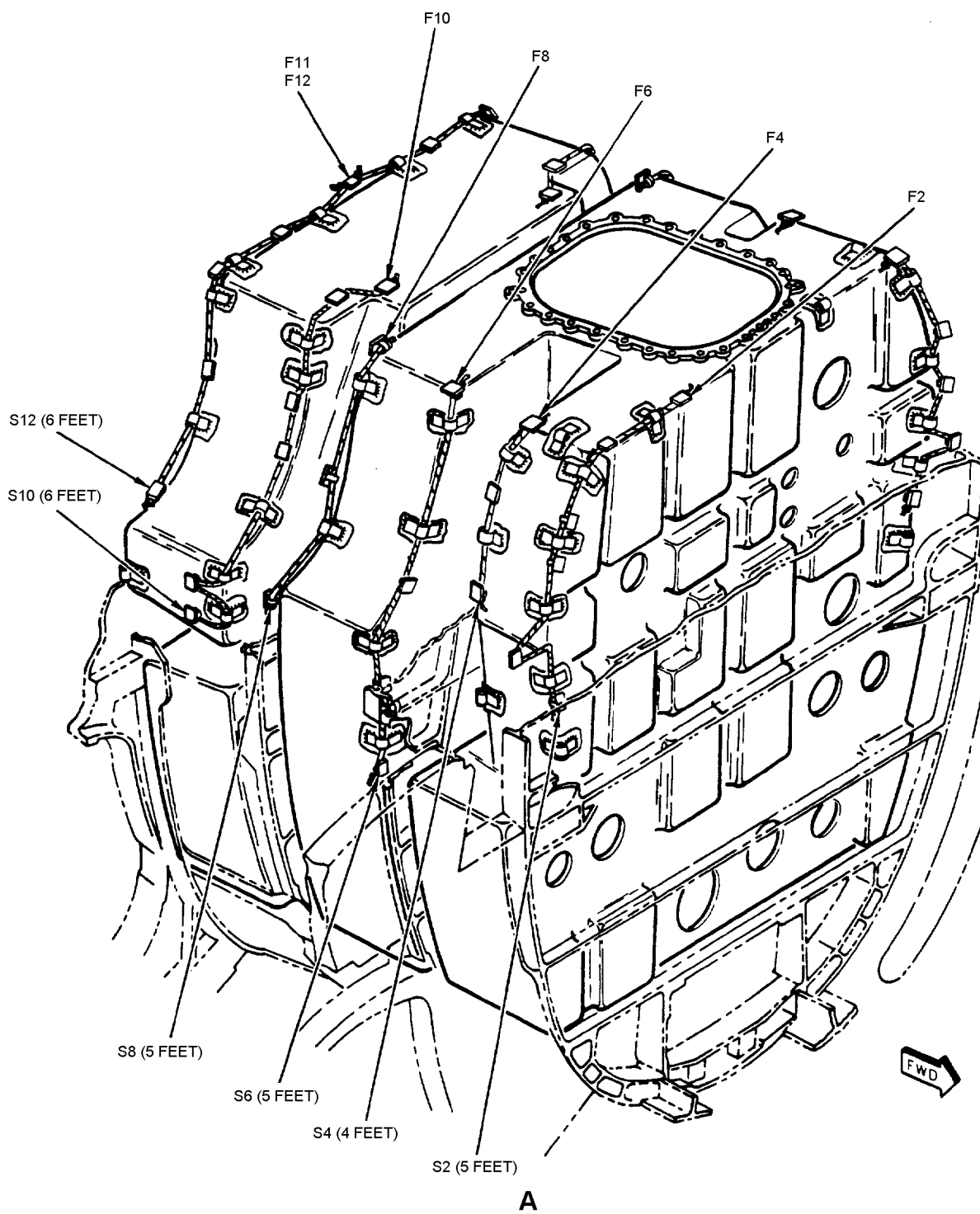


START KNOT

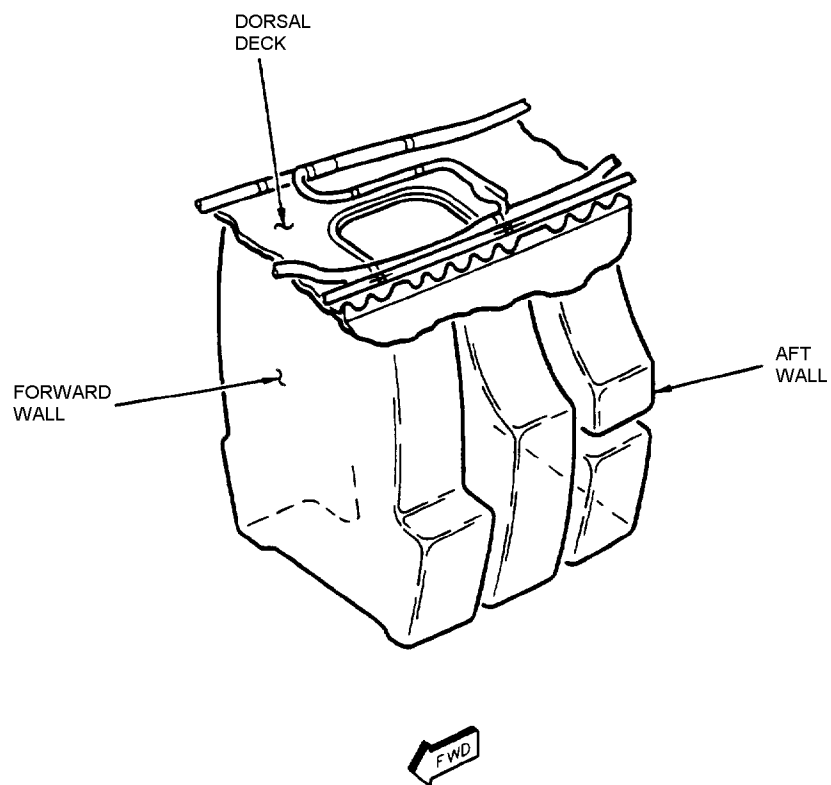


FINISH KNOT





4. SEQUENCE 2.

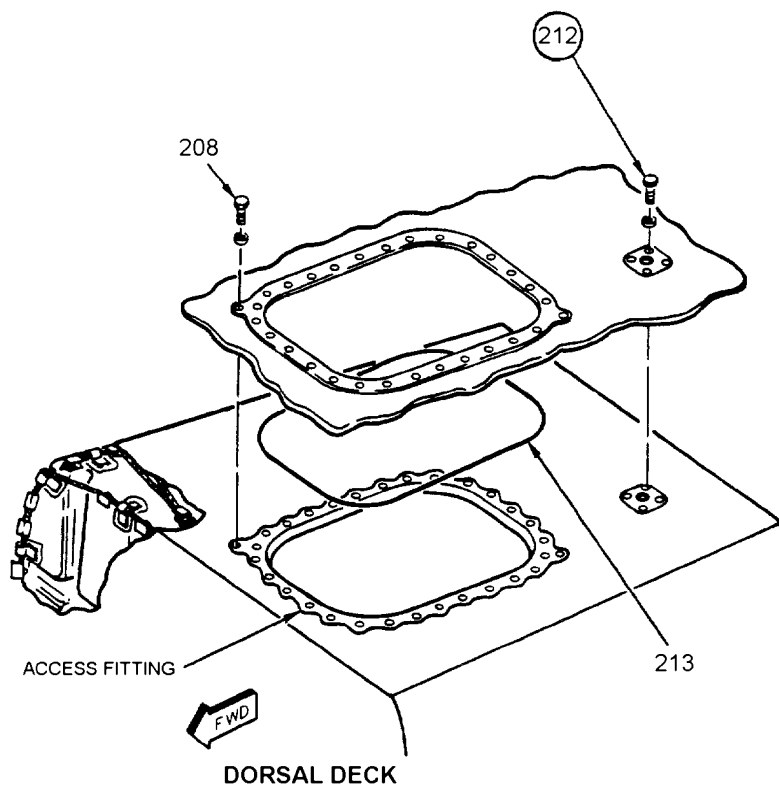


a. Prepare mating surfaces of access fitting and dorsal deck for electrical bond (A1-F18AC-LMM-000).

b. Install packing (213), bolts (208) and washers.

c. Install bolt (212) and washer.

INDEX NO.	PART NO.	QTY
208	NAS674V4	2
	AN960JD416L (AP)	2
212	NAS674V2	1
	AN960JD416L (AP)	1
213	MS29513-385	1

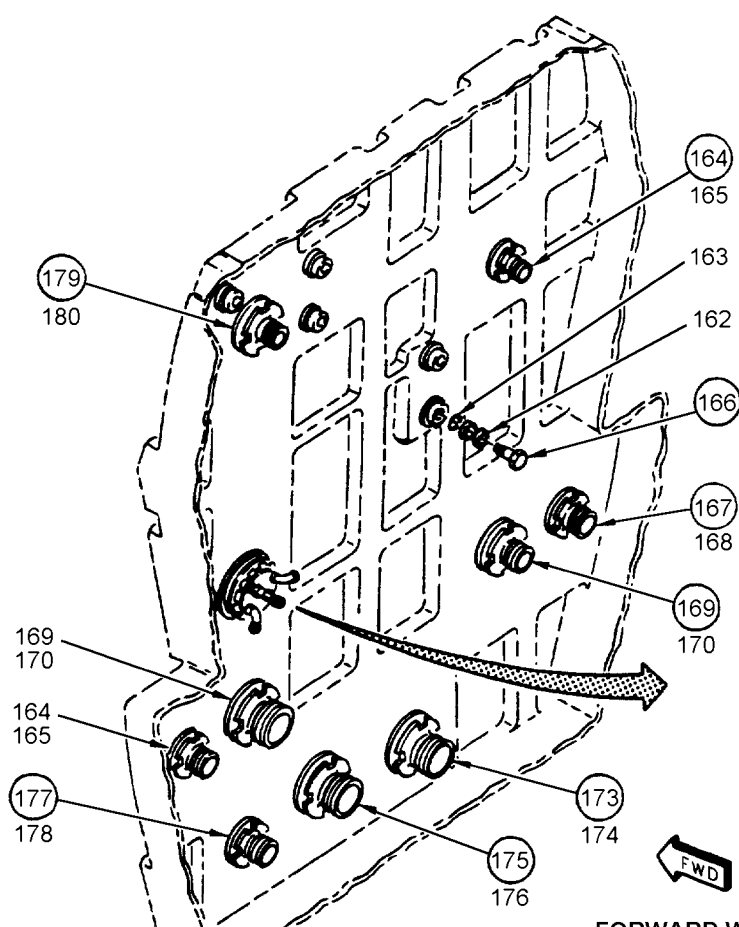


d. Prepare mating surfaces of structure and bolts (166) for electrical bond (A1-F18AC-LMM-000).

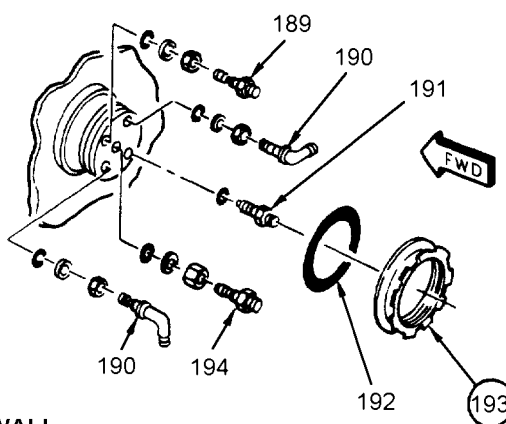
e. Install packings (163), washers (162), bolts (166), and attaching parts. Seal bolt (166) threads per WP013 00. (QA)

f. Install packings (165, 168, 170, 174, 176, 178, 180, and 192) and nuts or retainers (164, 167, 169, 173, 175, 177, 179, and 193) and verify running torque and final torque (WP013 00). (QA)

g. Install nipples (189, 191 and 194), elbows (190) and related parts.



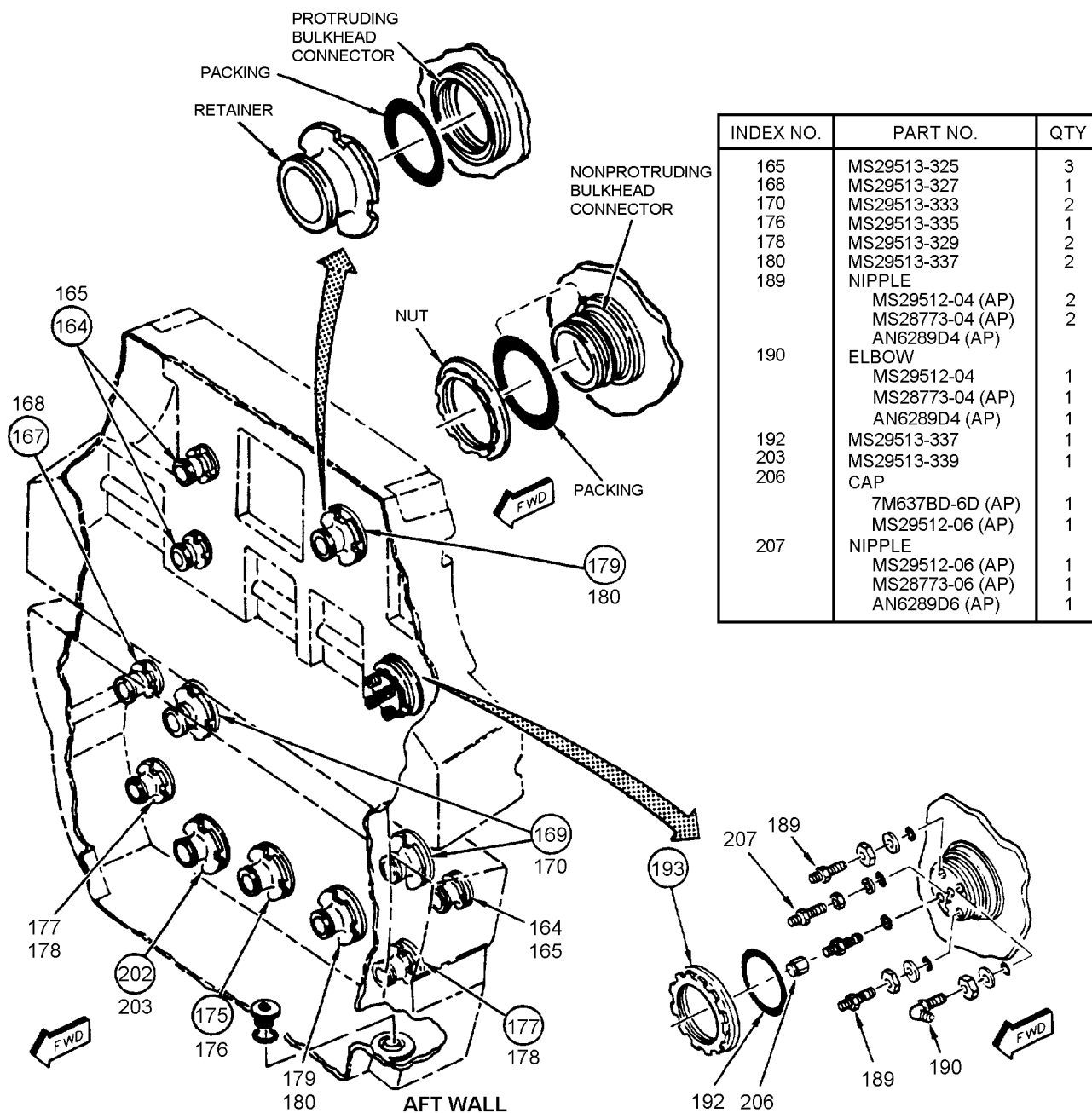
FORWARD WALL



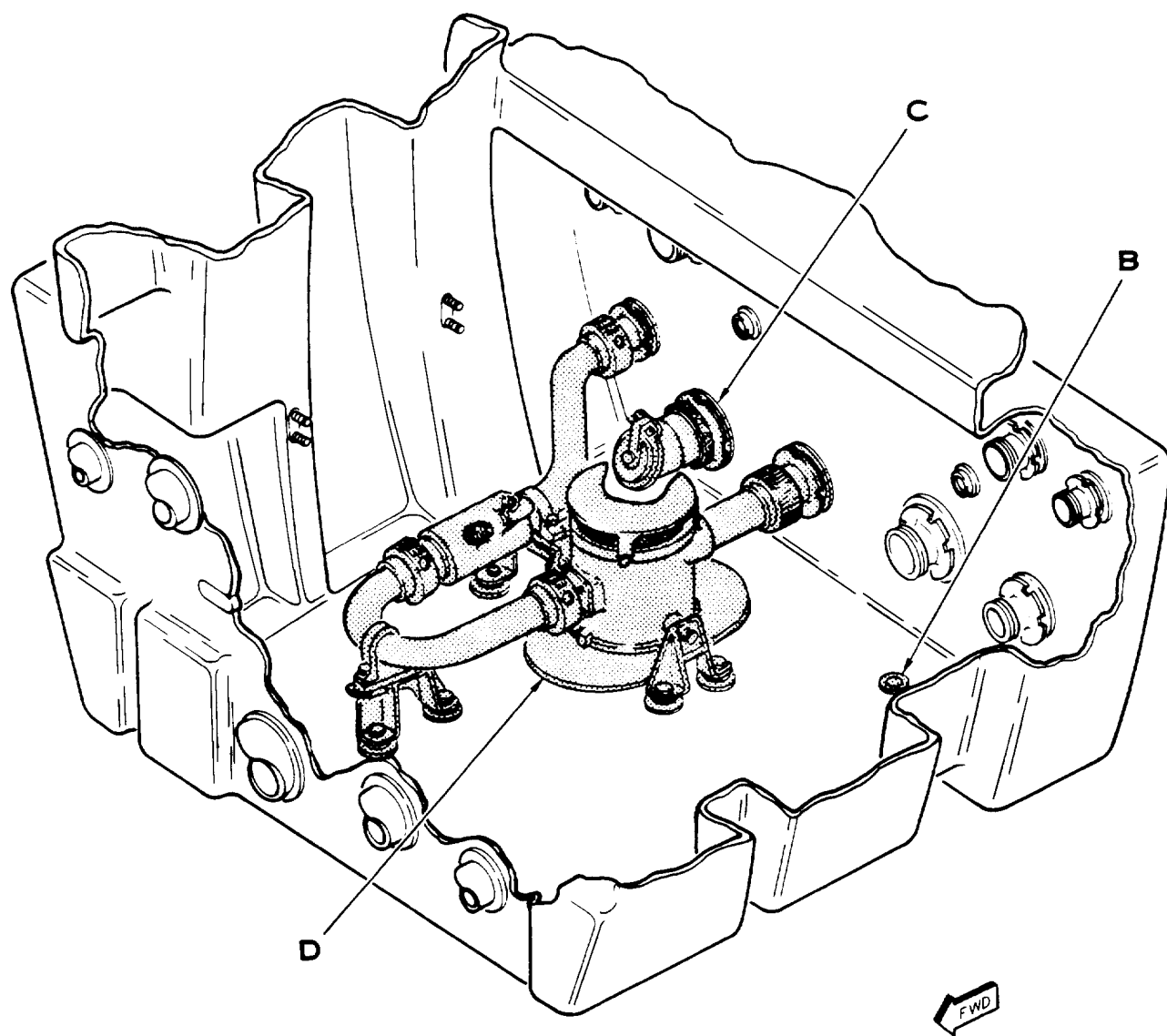
INDEX NO.	PART NO.	QTY
163	M25988-1-312	2
165	MS29513-325	2
166	NAS673V2	2
	AN960JD10 (AP)	2
168	MS29513-327	1
170	MS29513-333	2
174	MS26513-339	1
176	MS29513-335	1
178	MS29513-329	1
180	MS29513-337	1
189	NIPPLE	
	MS29512-04 (AP)	1
	MS28773-04 (AP)	1
	AN6289D4 (AP)	1
190	ELBOW	
	MS29512-04 (AP)	2
	MS28773-04 (AP)	2
	AN6289D4 (AP)	2
191	NIPPLE	
	MS29512-04 (AP)	1
192	MS29513-337	1
194	NIPPLE	
	MS29512-06 (AP)	1
	MS28773-06 (AP)	1
	AM6289D6 (AP)	1

h. Install packings (165, 168, 170, 176, 178, 180, 192, and 203) and nuts or retainers (164, 167, 169, 175, 177, 179, 193, and 200) and verify running torque and final torque (WP013 00). (QA)

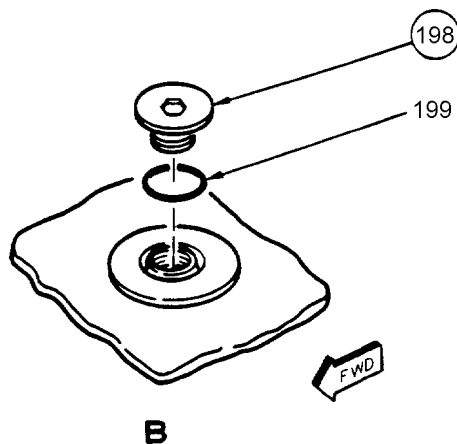
i. Install nipples (189 and 207), elbow (190), cap (206) and related parts.



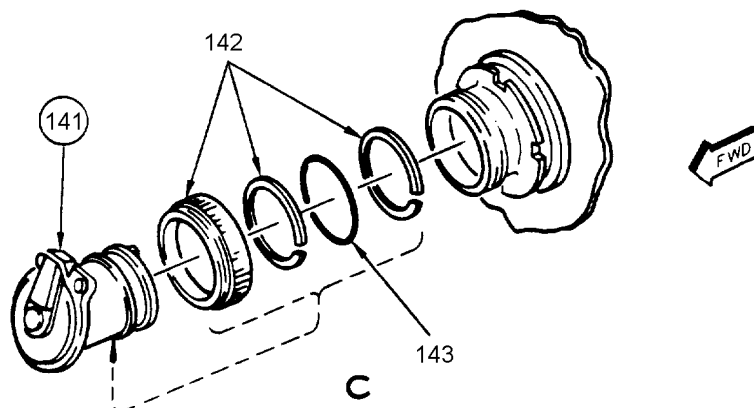
5. SEQUENCE 3.



- a. Install packing (199) and adapter (198).
- b. Install packing (143), valve (141) and related parts. Tighten nut assembly (142) handtight.



INDEX NO.	PART NO.	QTY
143	MS29513-334	1
199	MS29513-213	1



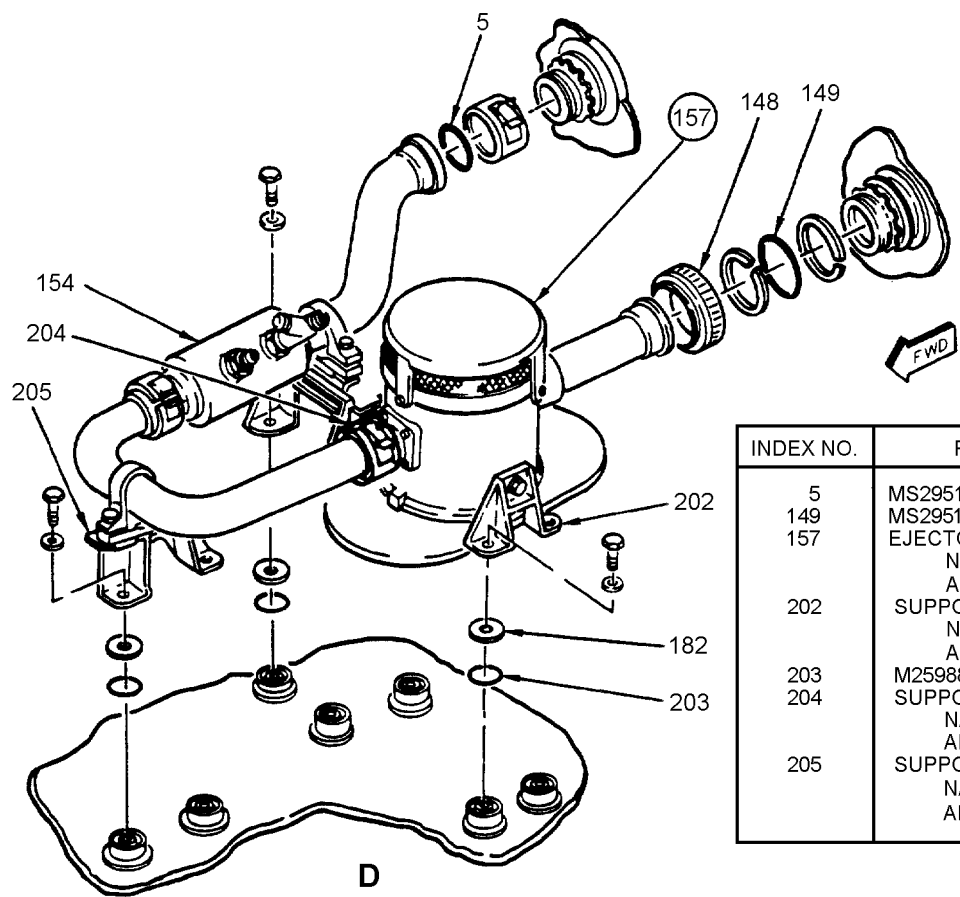
c. Prepare mating surfaces of supports (202, 204 and 205), and attaching parts, washers (182) and structure for electrical bond (A1-F18AC-LMM-000).

WARNING

To prevent fuel system malfunction, shuttle inside ejector must move freely from top to bottom.

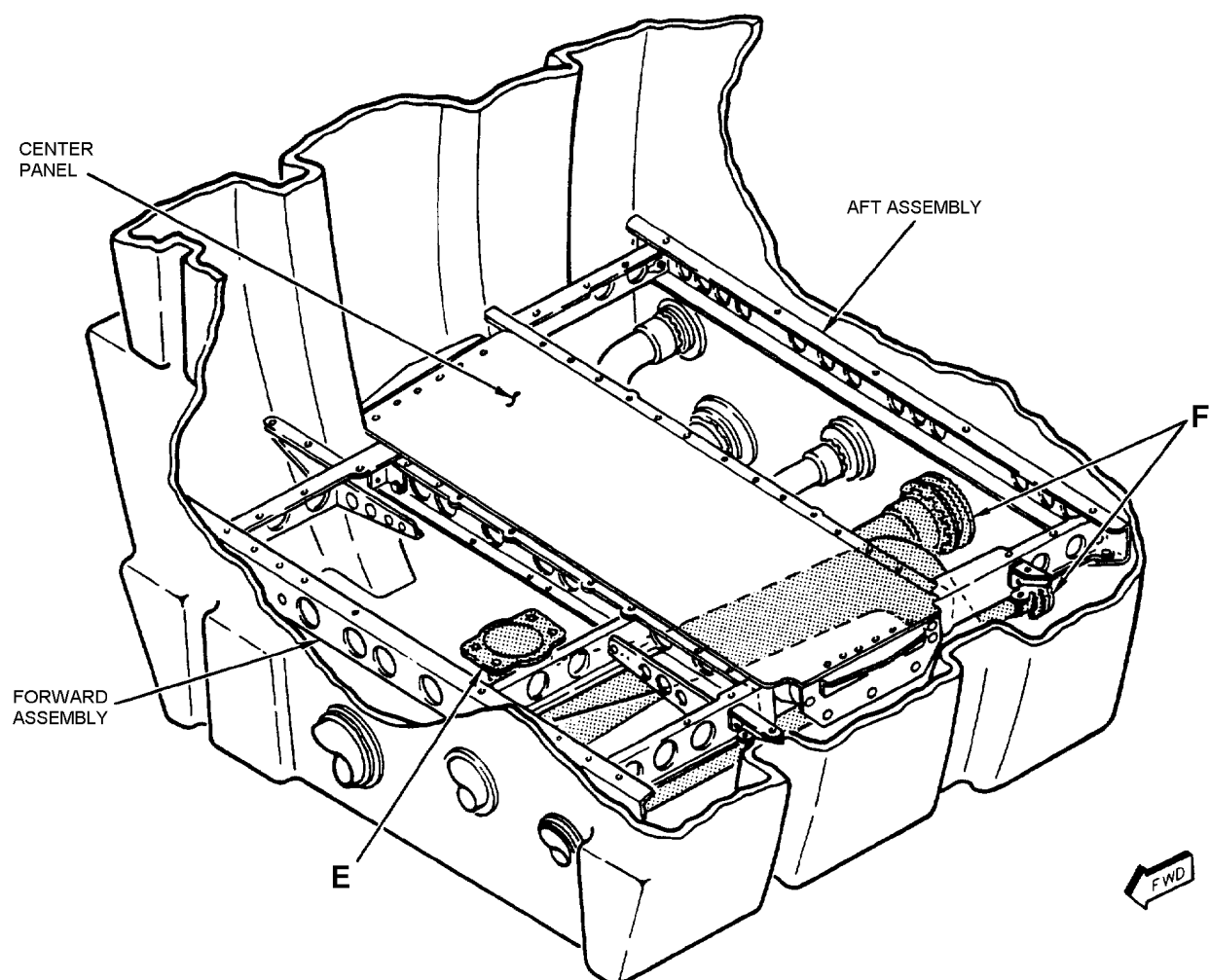
d. Turn ejector (157) upside down then right side up and make sure shuttle inside ejector moves freely from top to bottom. (QA)

e. Install washers (182), packings (5, 149 and 201), ejector (157) and wash filter (154) assembly with attaching parts. Tighten nut assembly (148) hand-tight. Seal support (202, 204 and 205) bolt threads per WP013 00. (QA)



INDEX NO.	PART NO.	QTY
5	MS29513-222	1
149	MS29513-330	1
157	EJECTOR	
	NAS674V1 (AP)	2
	AN960JD416L (AP)	2
202	SUPPORT	
	NAS674V1 (AP)	2
	AN960JD416L (AP)	2
203	M25988-1-312	7
204	SUPPORT	
	NAS674V1 (AP)	3
	AN960JD416L (AP)	3
205	SUPPORT	
	NAS674V1 (AP)	2
	AN960JD416L(AP)	2

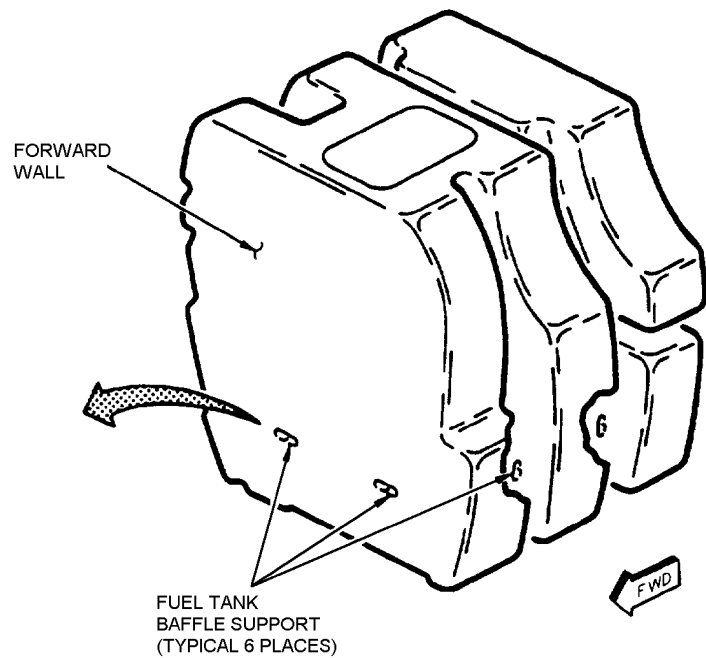
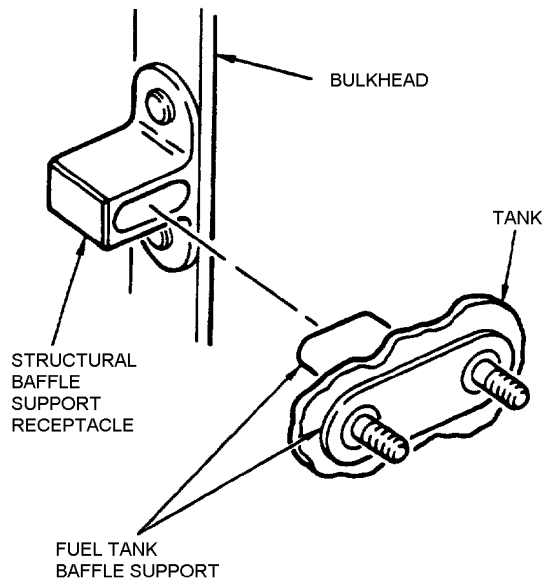
6. SEQUENCE 4.



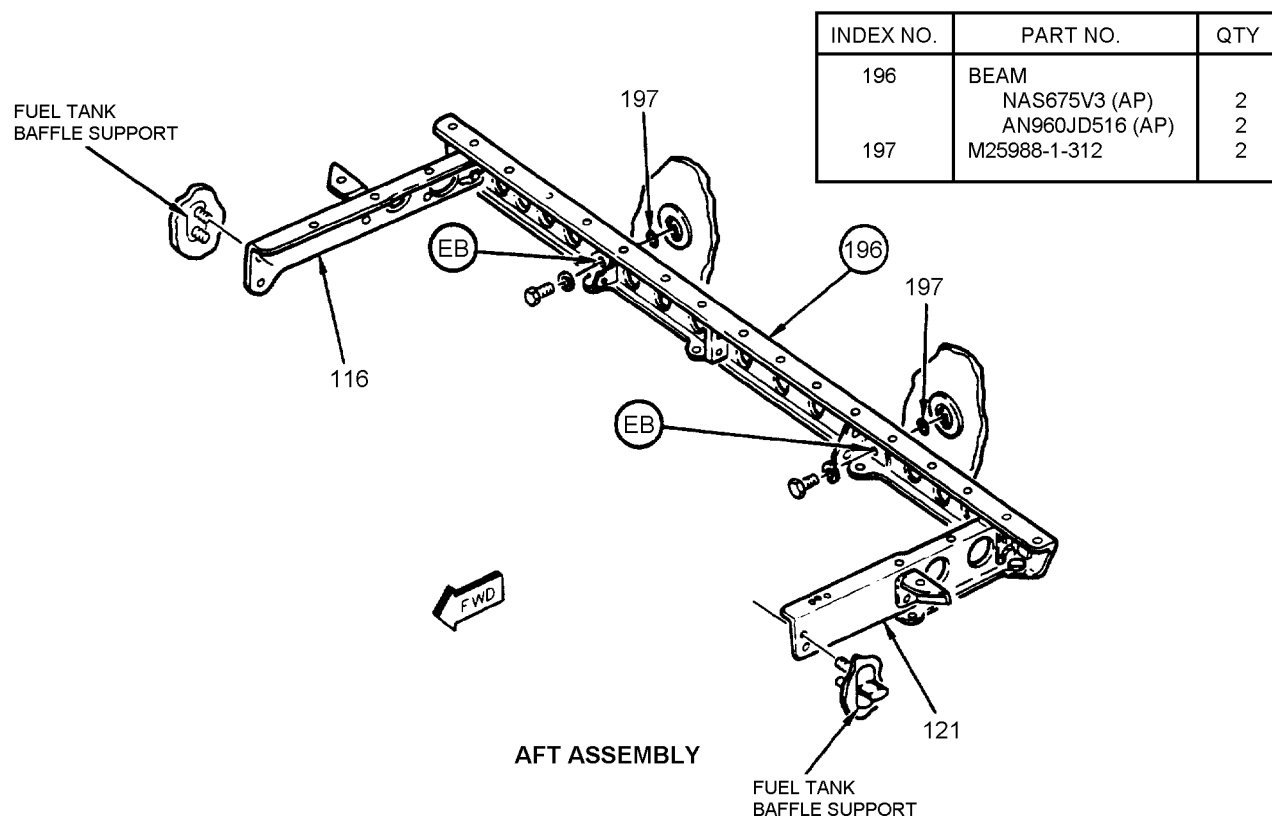
CAUTION

To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle receptacles.

a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on forward tank wall and two each on left and right side of tank) before installing baffle structure around periphery of tank.



b. Position supports (116 and 121) over fuel tank baffle supports and install packings (197), beam (196) and attaching parts. Seal beam (196) bolt threads per WP013 00. (QA)



CAUTION

Position and install baffle components carefully to avoid damage to components installed on tank floor.

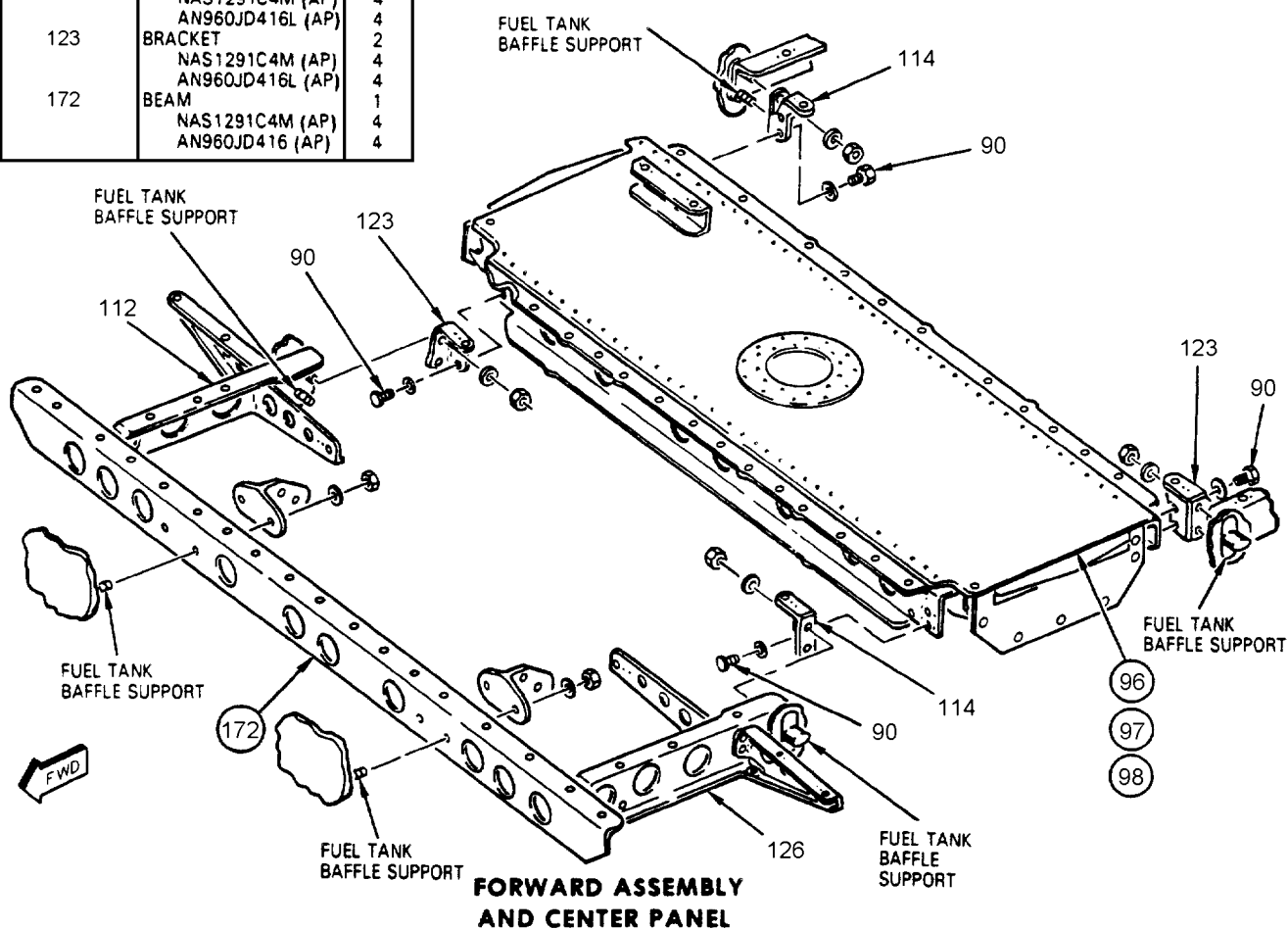
c. If installing a hinged center panel, position forward beam (172) and supports (112 and 126) with hinged center panel (96 and 97) in folded position, in fuel tank.

d. If installing a center panel with no hinge, position forward beam (172) and supports (112 and 126) with center panel (98) in fuel tank.

e. Install brackets (114 and 123) on fuel tank studs with bolts (90) and attaching parts. Torque bracket (114 and 123) nuts 50 to 60 inch-pounds. (QA)

f. Install attaching parts to beam (172). Torque beam (172) nuts 50 to 60 inch-pounds. (QA)

INDEX NO.	PART NO.	QTY
90	NAS673V4	8
	AN960JD10L (AP)	8
114	BRACKET	2
	NAS1291C4M (AP)	4
	AN960JD416L (AP)	4
123	BRACKET	2
	NAS1291C4M (AP)	4
	AN960JD416L (AP)	4
172	BEAM	1
	NAS1291C4M (AP)	4
	AN960JD416 (AP)	4

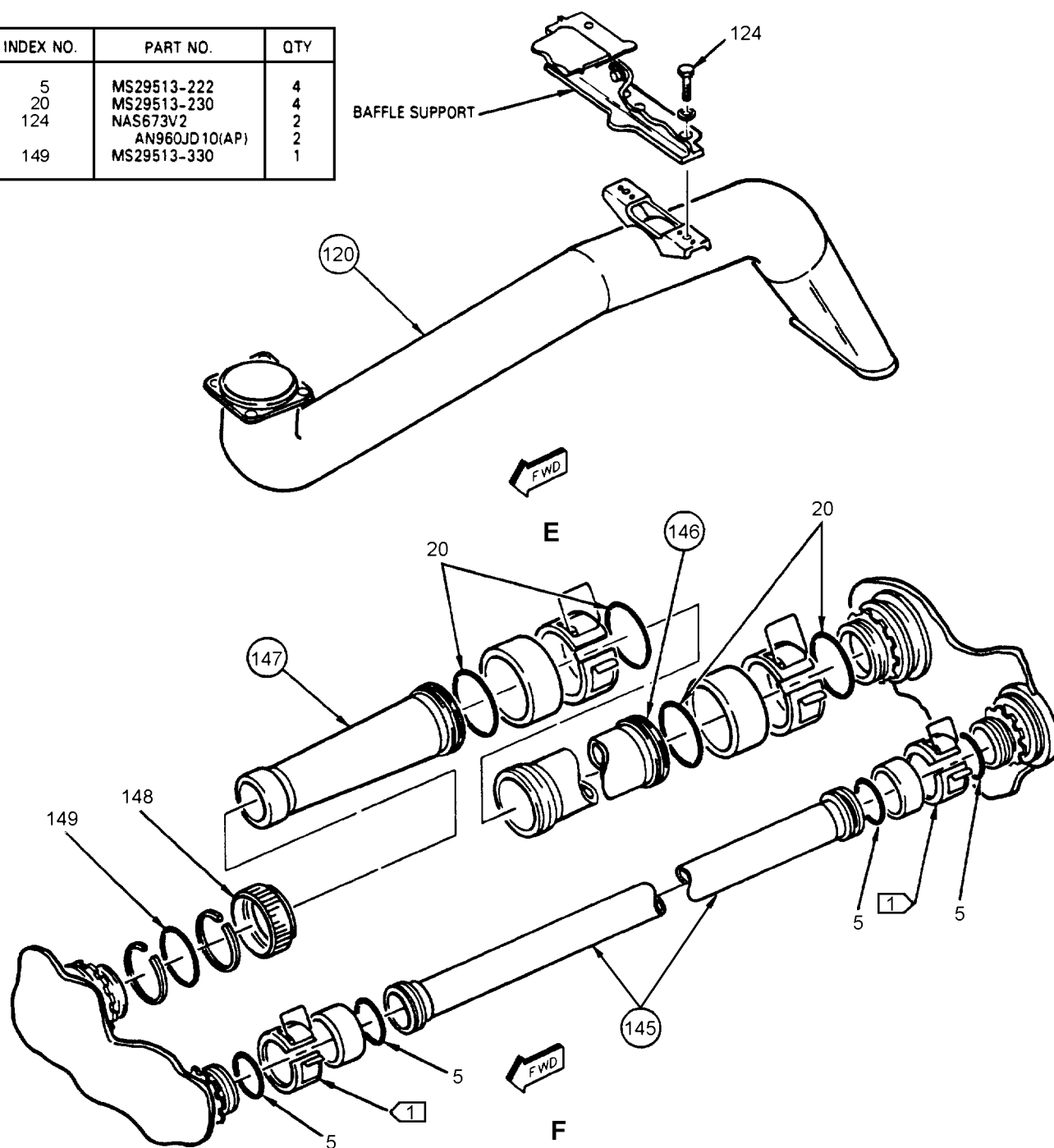


g. Prepare mating surfaces of baffle support and tube (120) for electrical bond (A1-F18AC-LMM-000).

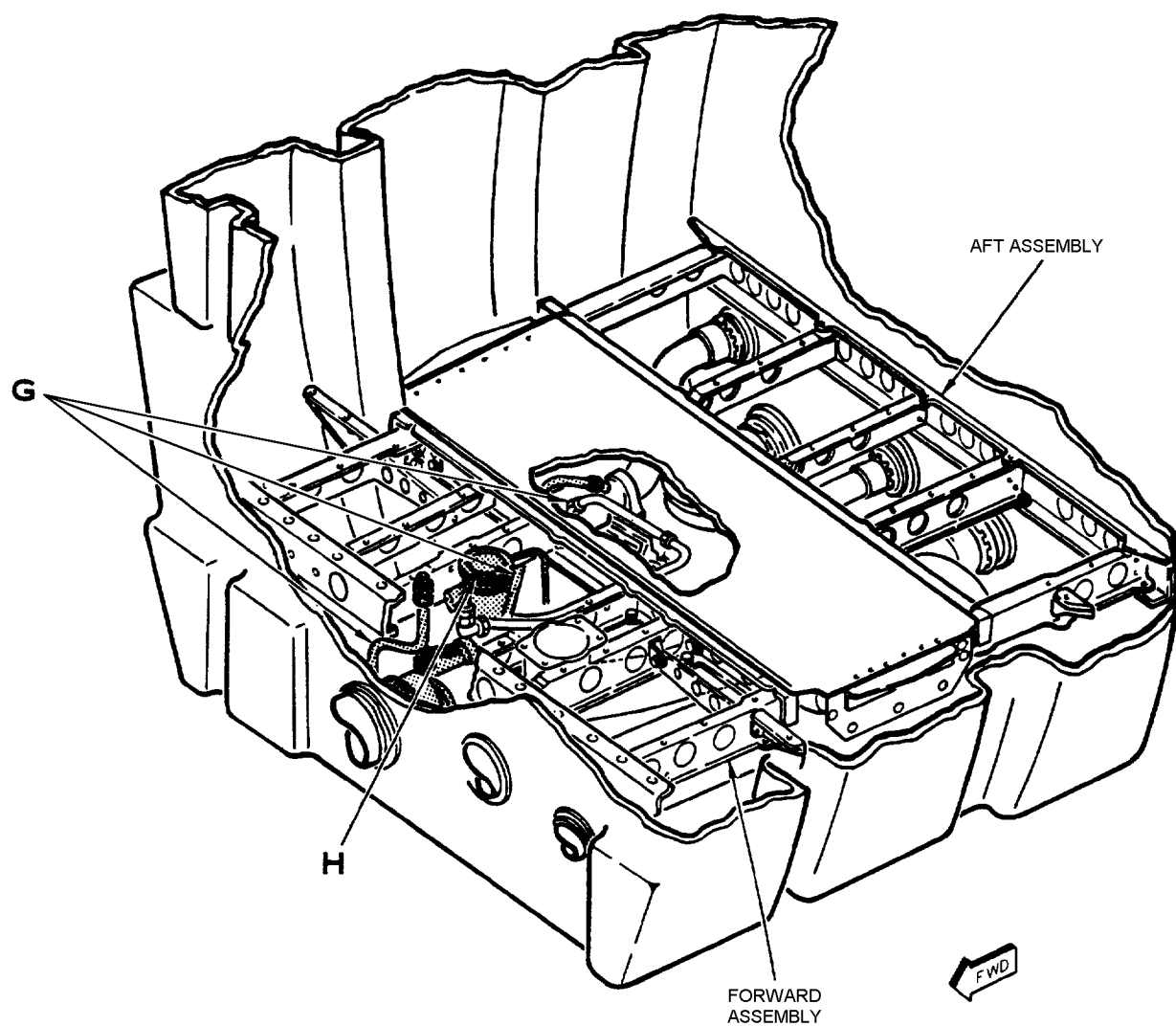
h. Position tube (120), do not install bolts (124) and washers.

i. Install packings (5, 20 and 149). Install tubes (145 and 146), ejector (147) and related parts. Tighten nut assembly (148) handtight, then install bolts (124) and washers.

INDEX NO.	PART NO.	QTY
5	MS29513-222	4
20	MS29513-230	4
124	NAS673V2	2
	AN960JD 10(AP)	2
149	MS29513-330	1

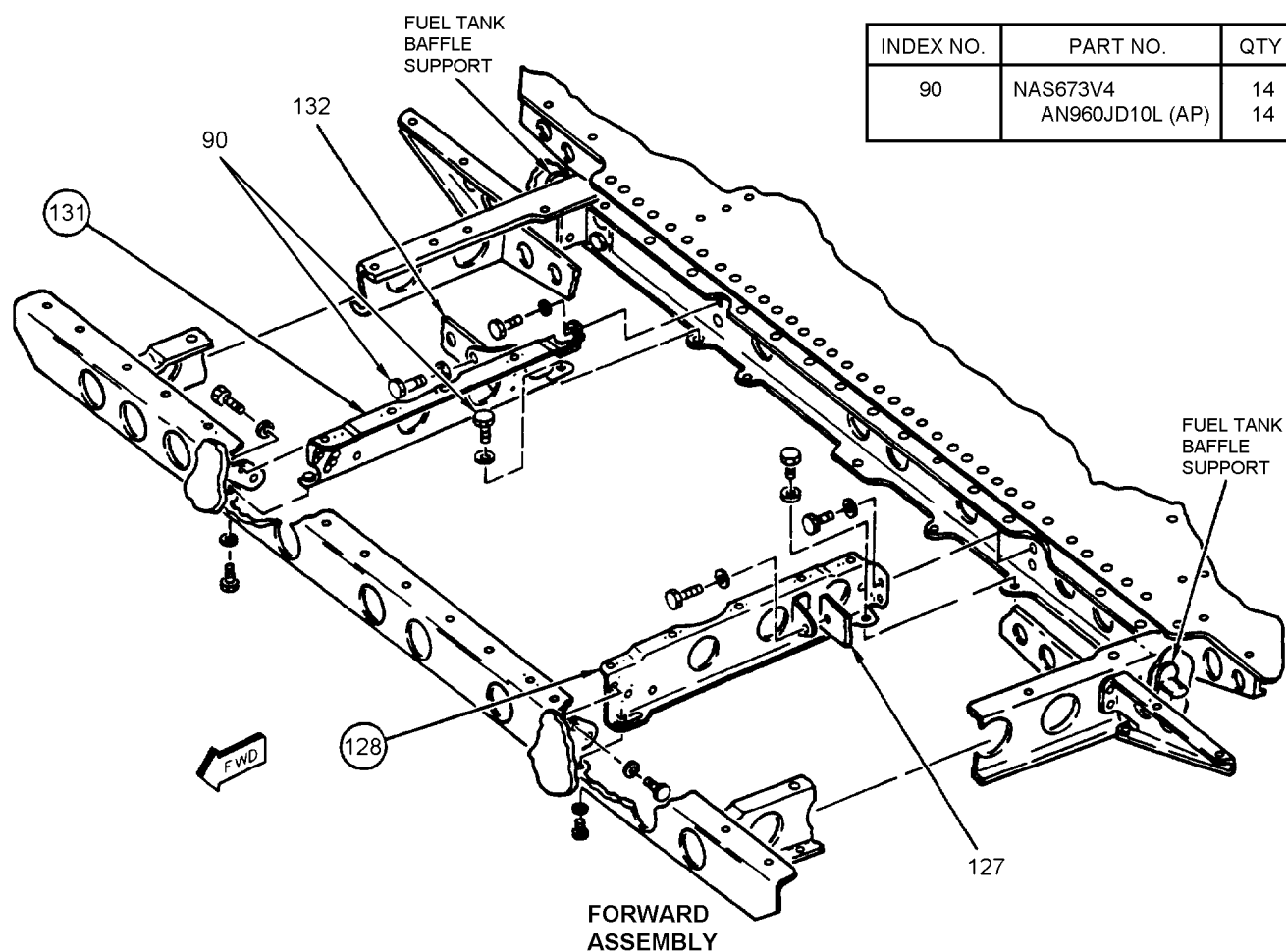


7. SEQUENCE 5.



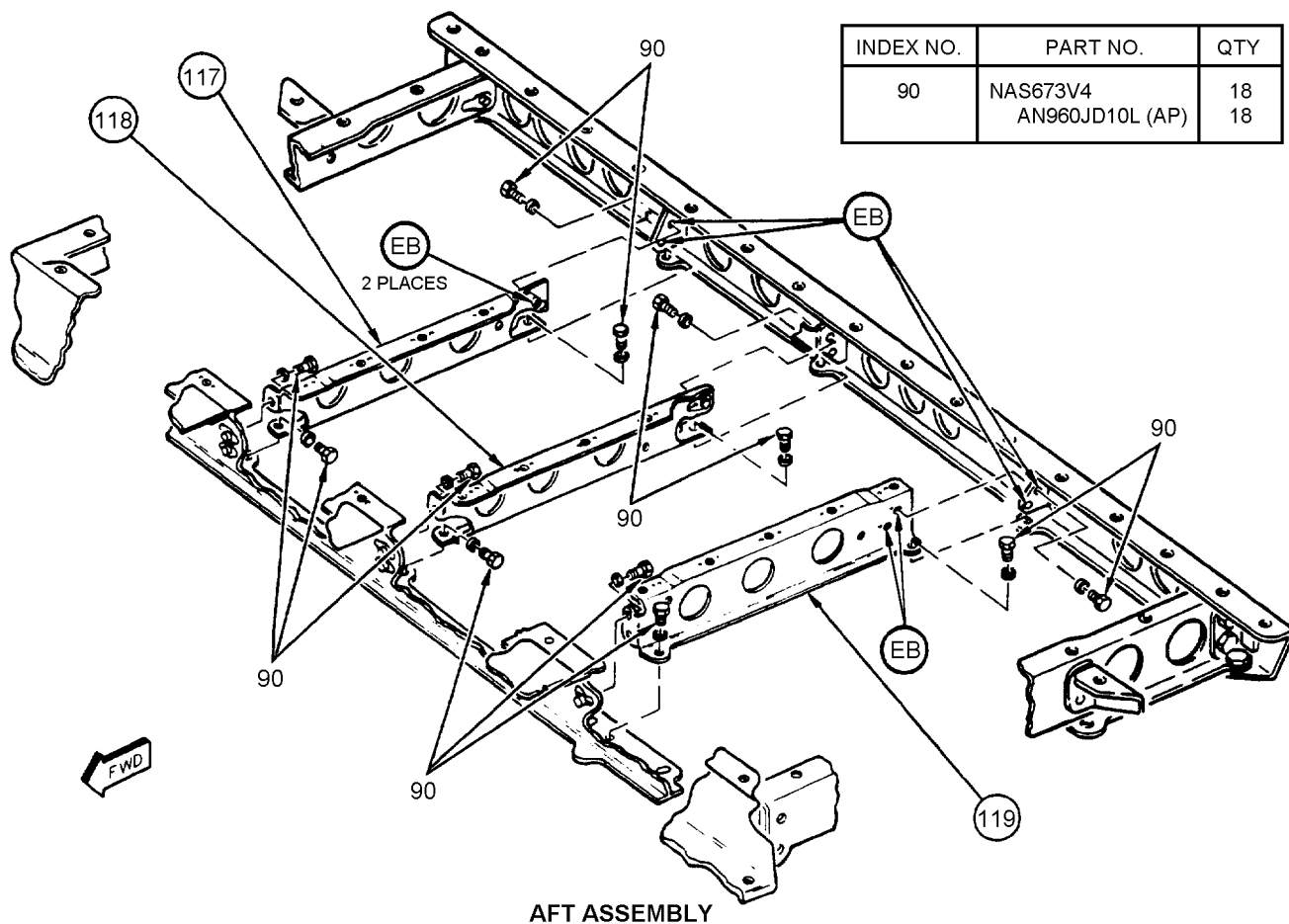
a. Install supports (128 and 131) with bolts (90) and washers.

b. Connect supports (127 and 132) to supports (128 and 131) with bolts (90) and washers.



c. Install supports (117, 118 and 119), bolts (90) and washers.

d. Inspect for and remove any foreign objects from area below baffle. (QA)

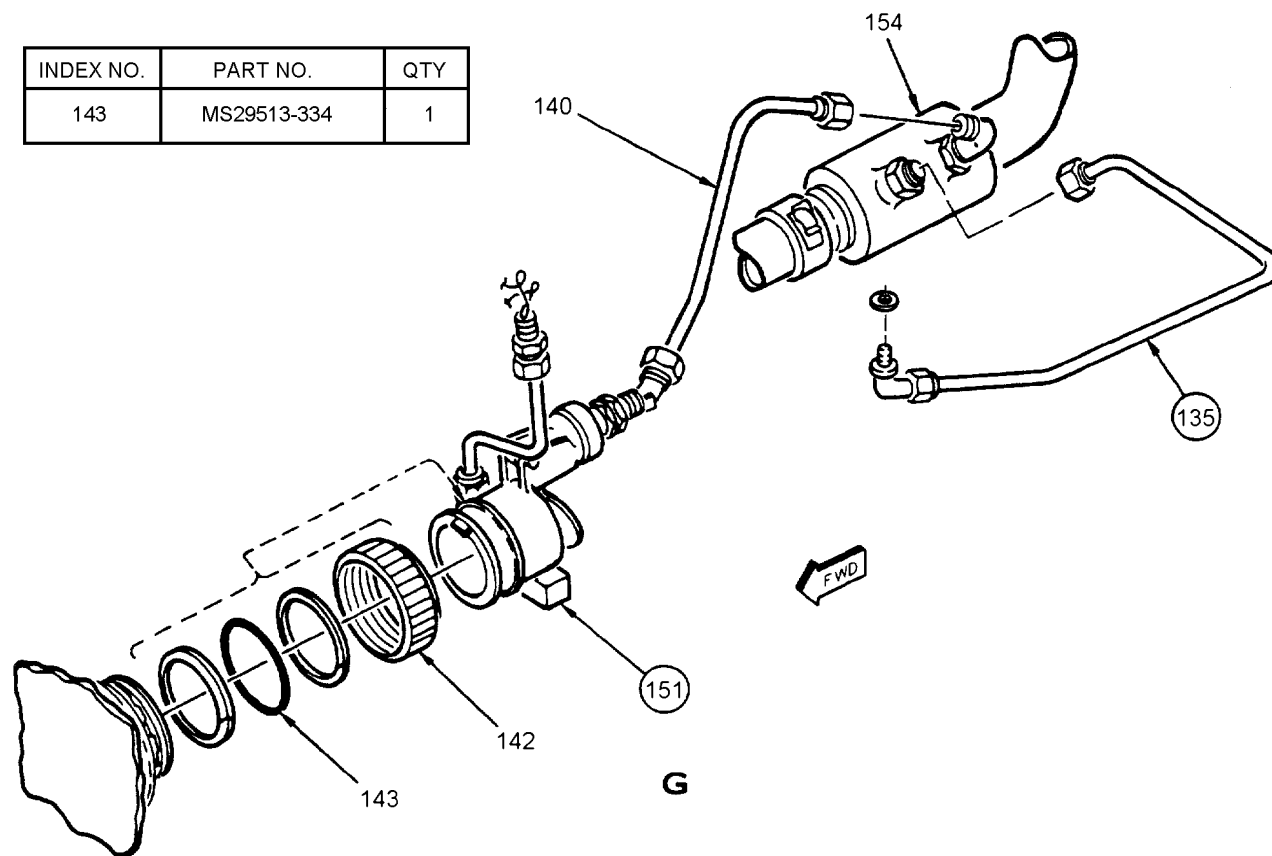


e. Install packing (143), valve (151) and related parts. Tighten nut assembly (142) handtight.

g. Install tube (135).

f. Connect tube (140) to wash filter (154).

INDEX NO.	PART NO.	QTY
143	MS29513-334	1

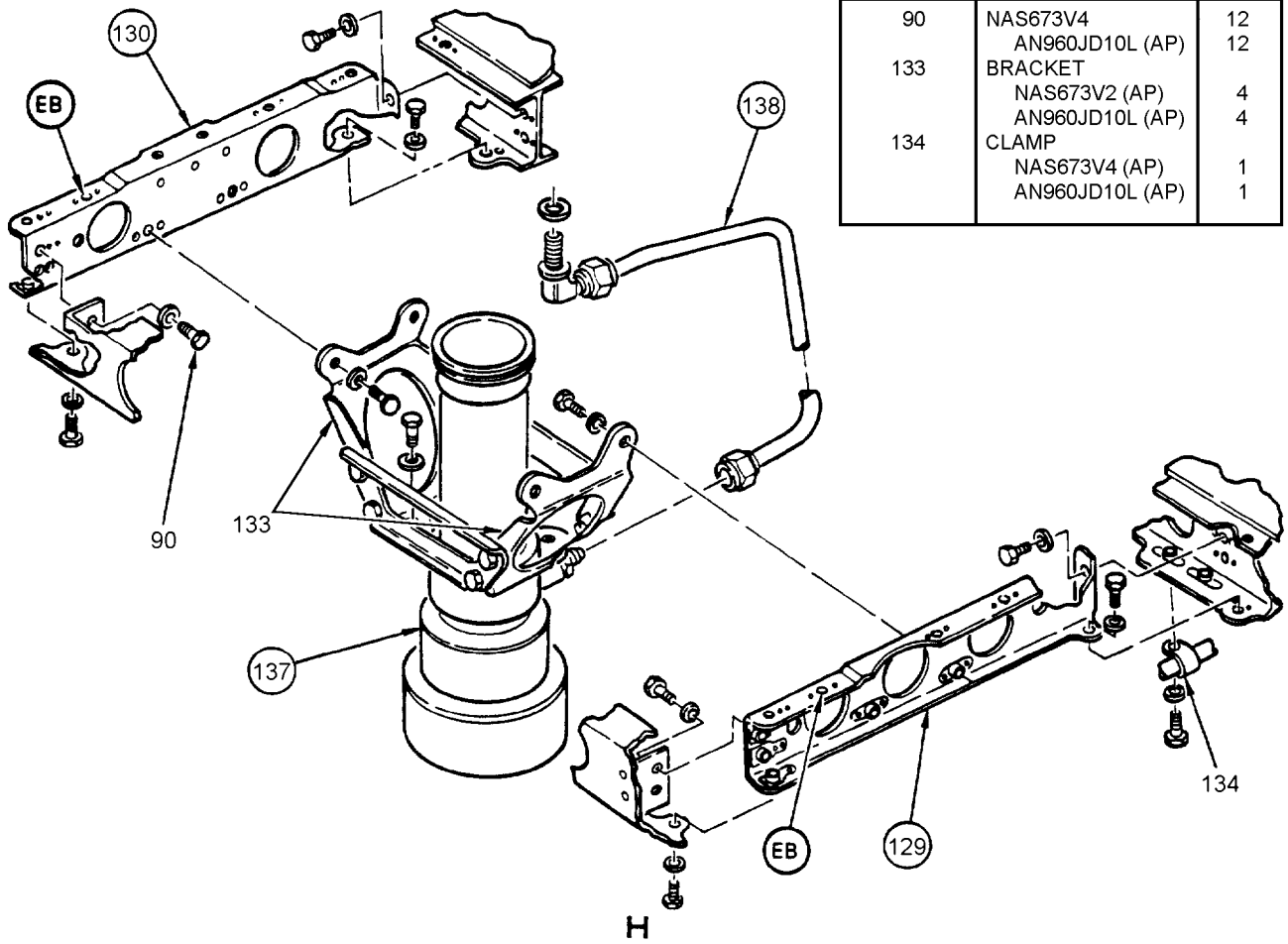


h. Install supports (129 and 130) with bolts (90) and washers.

i. Prepare mating surfaces of supports (129, 130 and 133) for electrical bond (A1-F18AC-LMM-000).

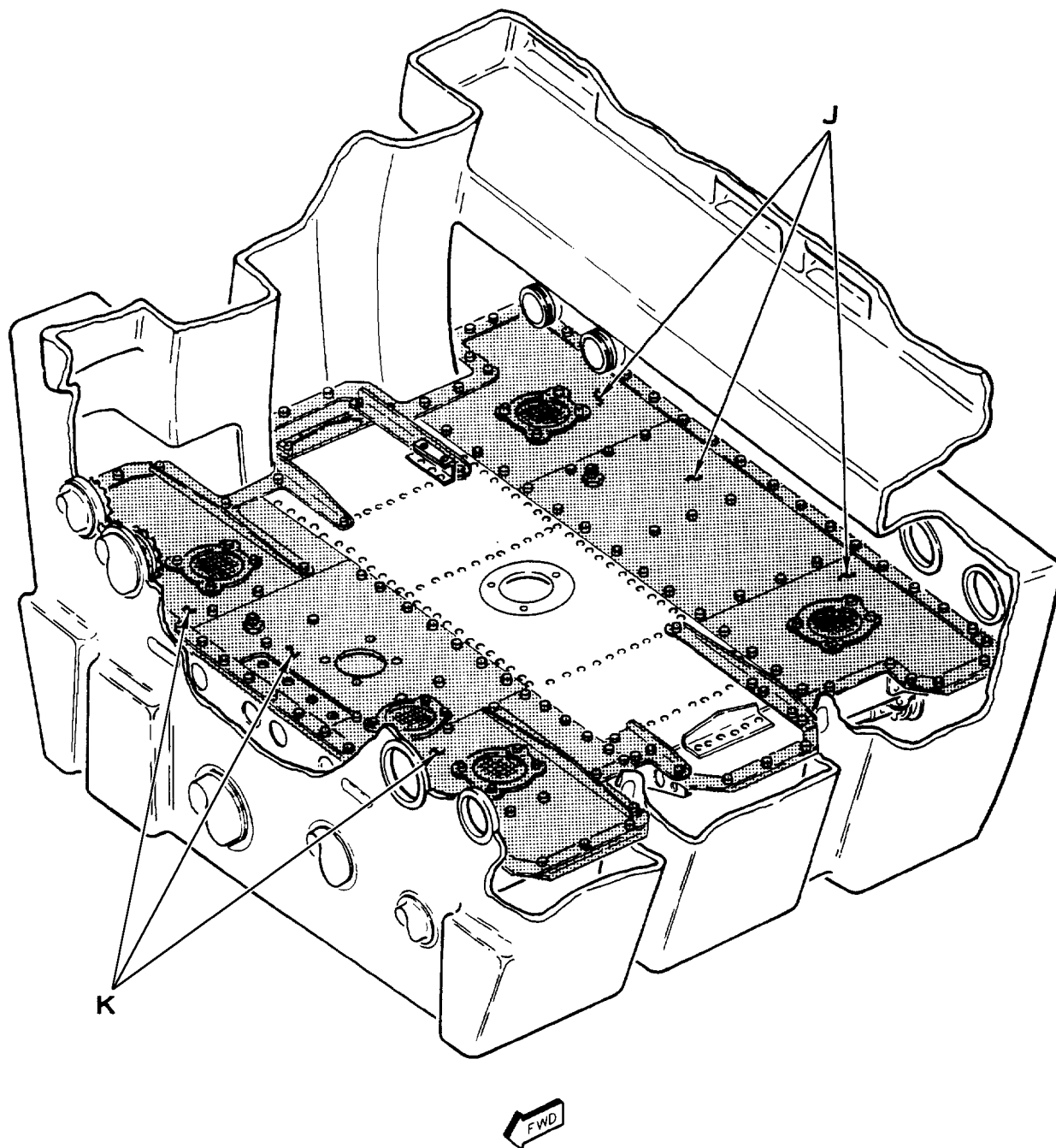
j. Install valve (137) with bracket (133) and related parts to supports (129 and 130).

k. Install clamp (134) and attaching parts.



INDEX NO.	PART NO.	QTY
90	NAS673V4	12
	AN960JD10L (AP)	12
133	BRACKET	
	NAS673V2 (AP)	4
	AN960JD10L (AP)	4
134	CLAMP	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	1

8. SEQUENCE 6.



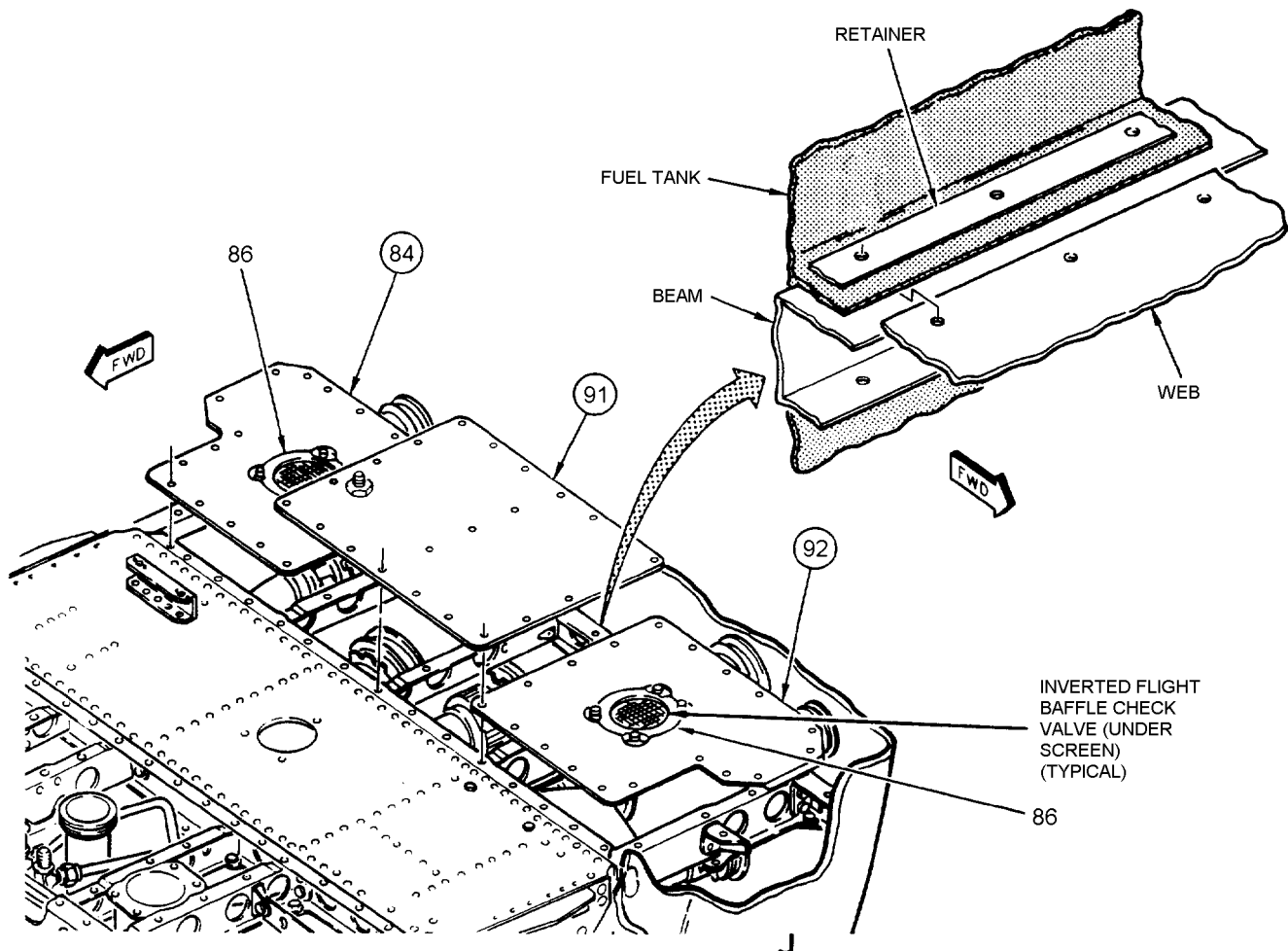
- a. Make sure check valves (86) move freely before positioning webs (84, 91 and 92).
- b. Inspect for and remove any foreign objects below baffle. (QA)

- c. Position webs (84, 91, and 92).

CAUTION

Install web carefully to avoid damaging tank or components.

Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.



d. Position washers on elbows (107).

e. Pull wires through hole in plate (110).

f. Position plate (110) and web (105).

g. Make sure check valves (86) move freely before positioning webs (102 and 111).

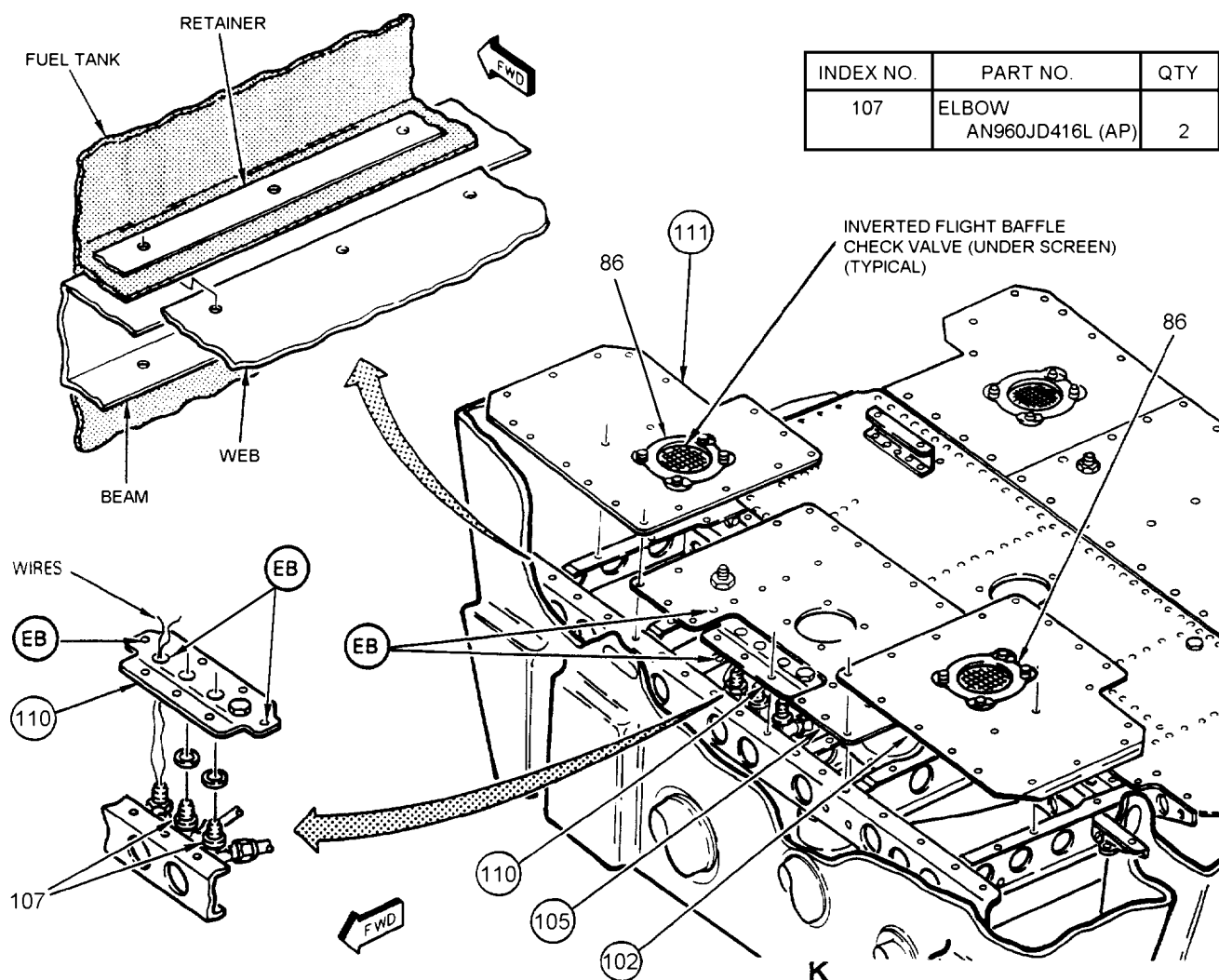
h. Inspect for and remove any foreign objects below baffle. (QA)



Install web carefully to avoid damaging tank or components.

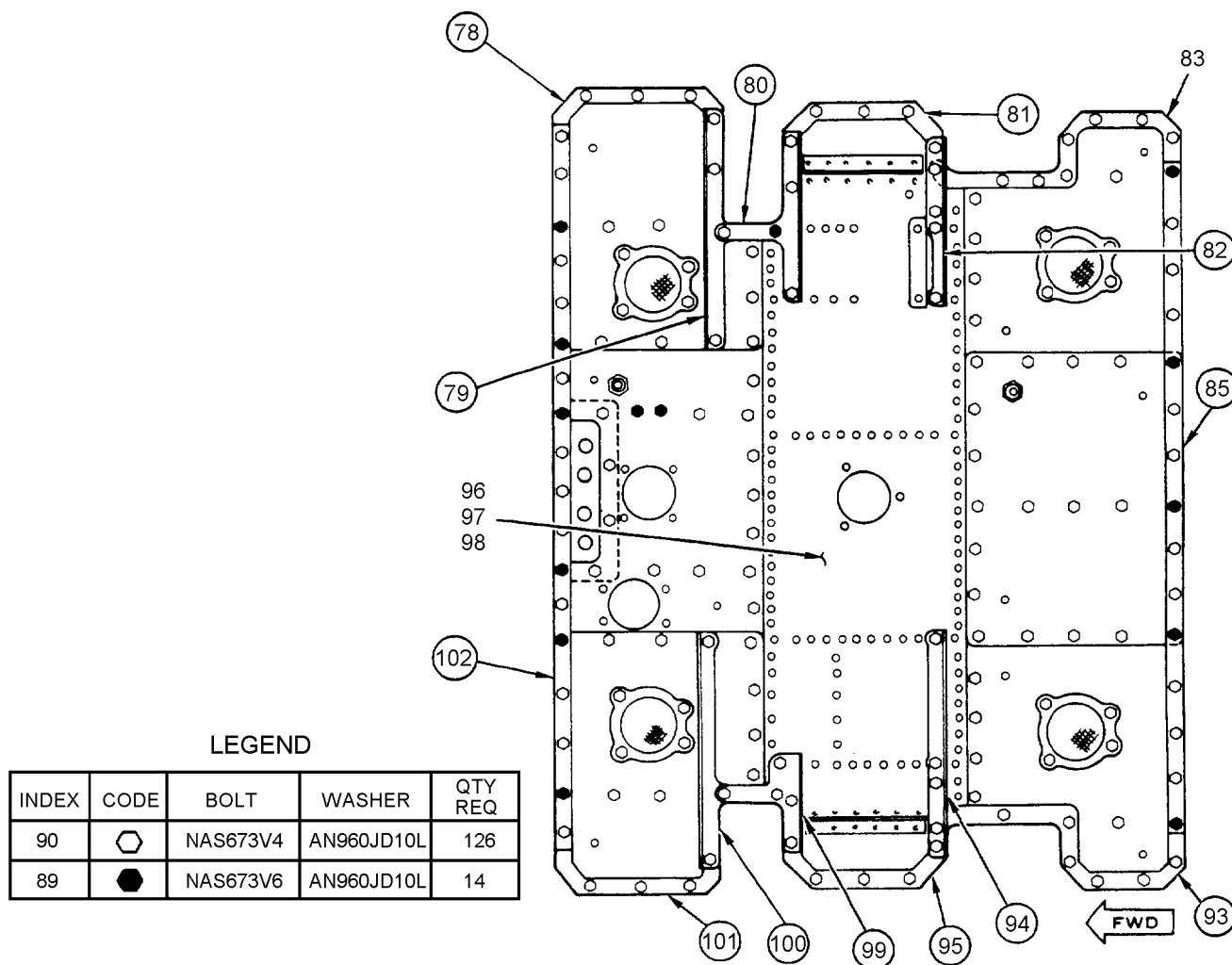
Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

i. Position webs (102 and 111).



j. Lift hinged portion of center panel (96 or 97), if installed, position retainers (80, 81 and 82), and install bolts (89 and 90) and washers handtight.

k. Position retainers (78, 79, 83, 85, 93, 94, 95, 99, 100, 101 and 102) and install and torque bolts (89 and 90) 15 to 25 inch-pounds as shown below. (QA)

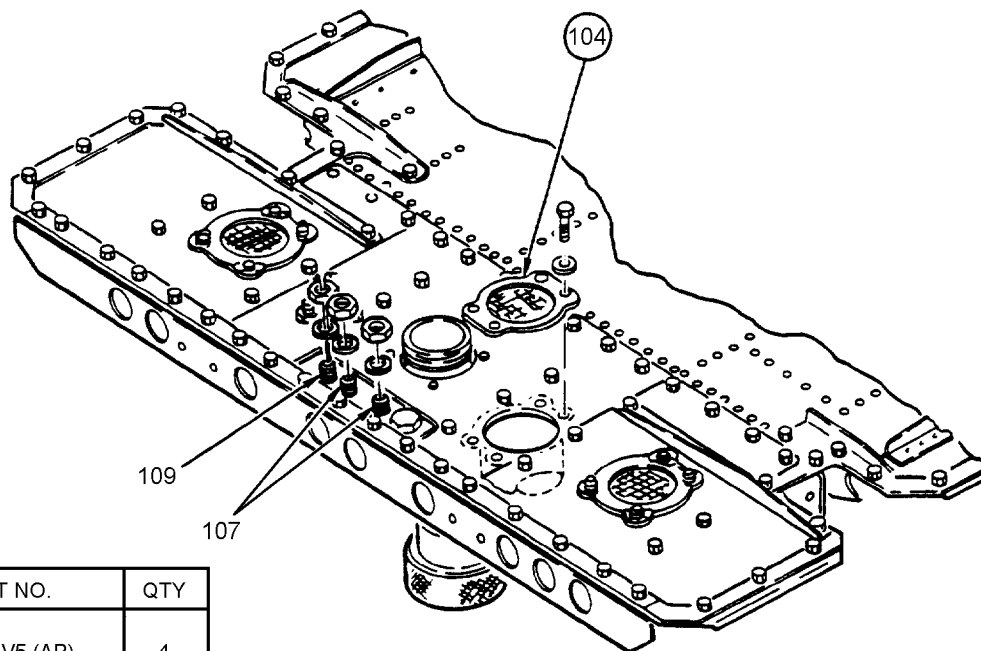


VIEW LOOKING DOWN AT BAFFLE ASSY

l. Prepare mating surfaces of screen (104) and baffle for electrical bond (A1-F18AC-LMM-000).

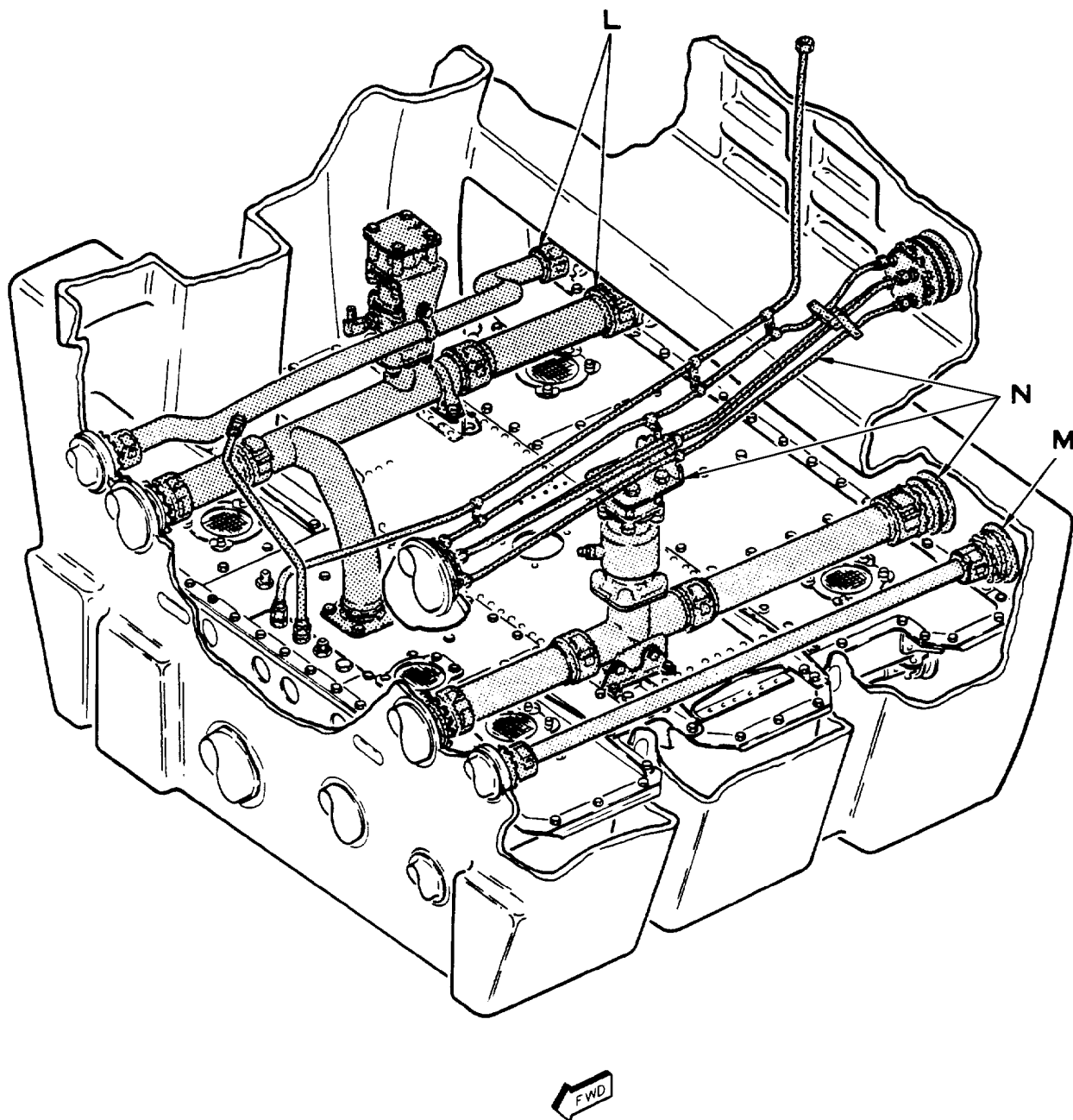
n. Install attaching parts on elbows (107) and nipple (109).

m. Install screen (104) and attaching parts.



INDEX NO.	PART NO.	QTY
104	SCREEN	
	NAS673V5 (AP)	4
	AN960JD10L (AP)	4
107	ELBOW	
	AN924-6D (AP)	2
	AN960JD416L (AP)	2
109	NIPPLE	
	AN924-6D (AP)	1
	AN960JD916L (AP)	1

9. SEQUENCE 7.



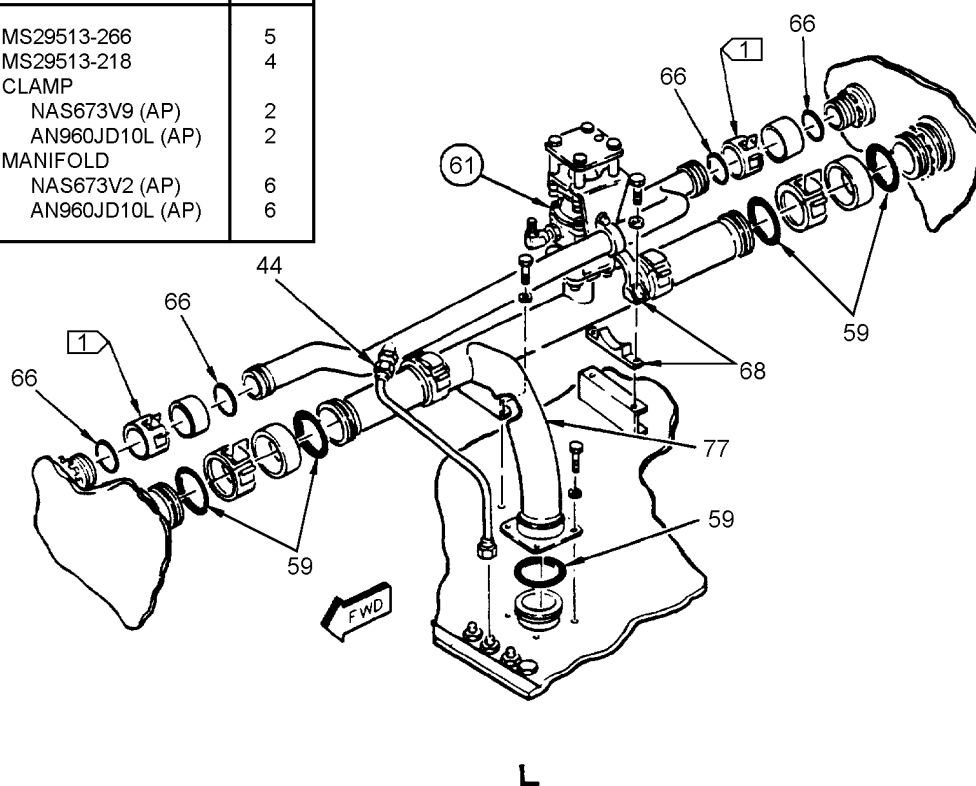
a. Prepare mating surfaces of baffle, manifold (77), attaching parts and clamp (68) for electrical bond (A1-F18AC-LMM-000).

b. Install packings (59 and 66), valve (61) and related parts.

c. Install clamp (68) and attaching parts.

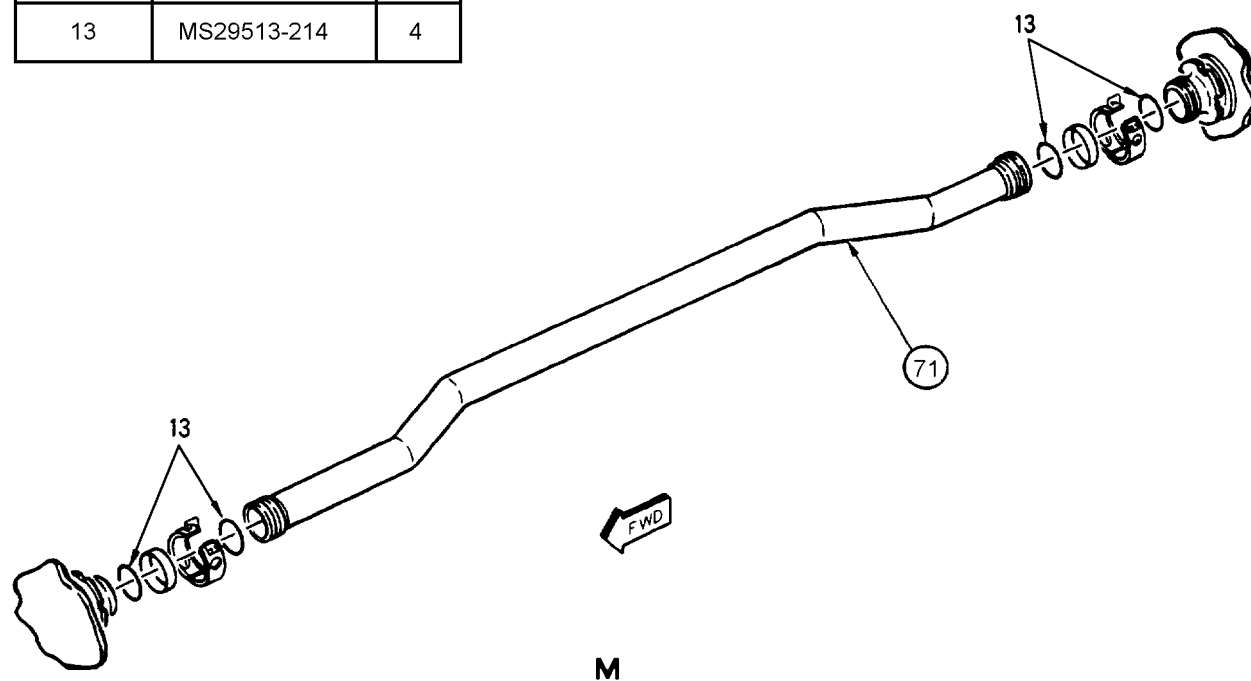
d. Connect tube (44).

INDEX NO.	PART NO.	QTY
59	MS29513-266	5
66	MS29513-218	4
68	CLAMP	
	NAS673V9 (AP)	2
	AN960JD10L (AP)	2
77	MANIFOLD	
	NAS673V2 (AP)	6
	AN960JD10L (AP)	6



e. Install packings (13), tube (71) and related parts.

INDEX NO.	PART NO.	QTY
13	MS29513-214	4



f. Prepare mating surfaces of bracket (74), baffle and attaching parts for electrical bond (A1-F18AC-LMM-000).

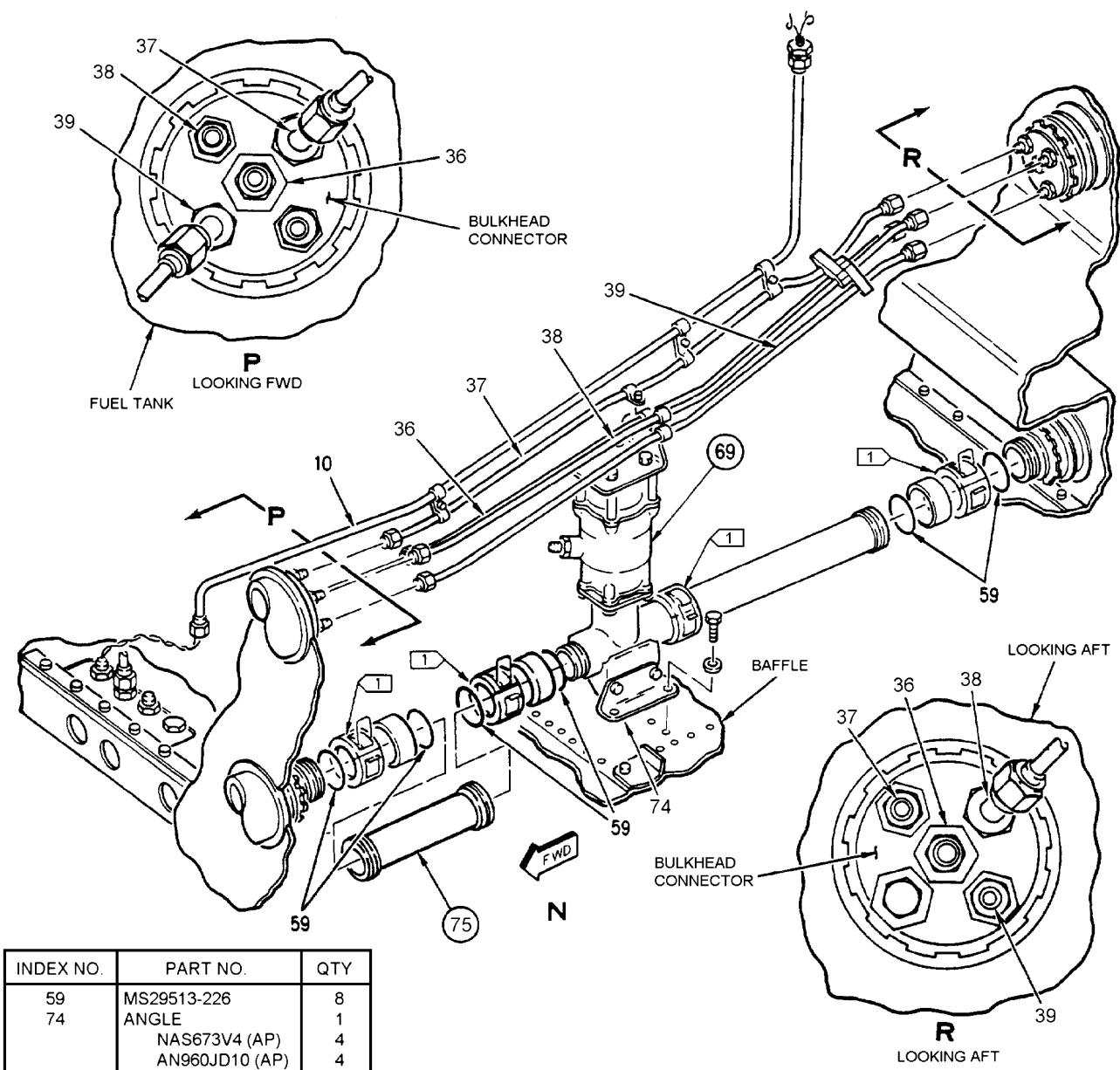
g. Install packings (59), valve (69), tube (75) and related parts.

h. At tube (10) tie string to wires.

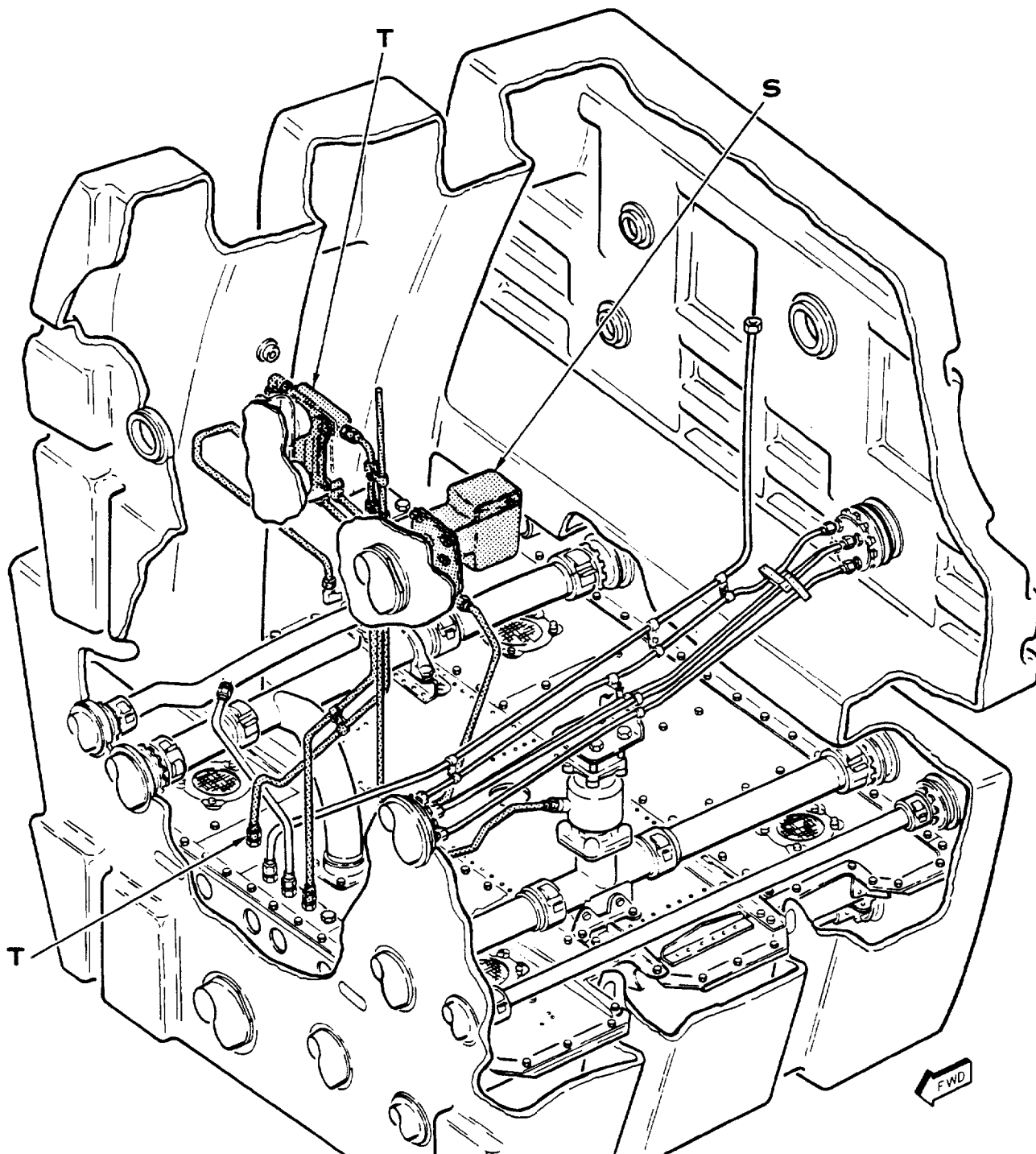
i. Carefully pull string and wires through tube (10). Untie wires and remove string.

j. Connect tubes (10, 36, 37, 38 and 39).

k. Torque tube (10) 75 to 140 inch-pounds. (QA)



10. SEQUENCE 8.

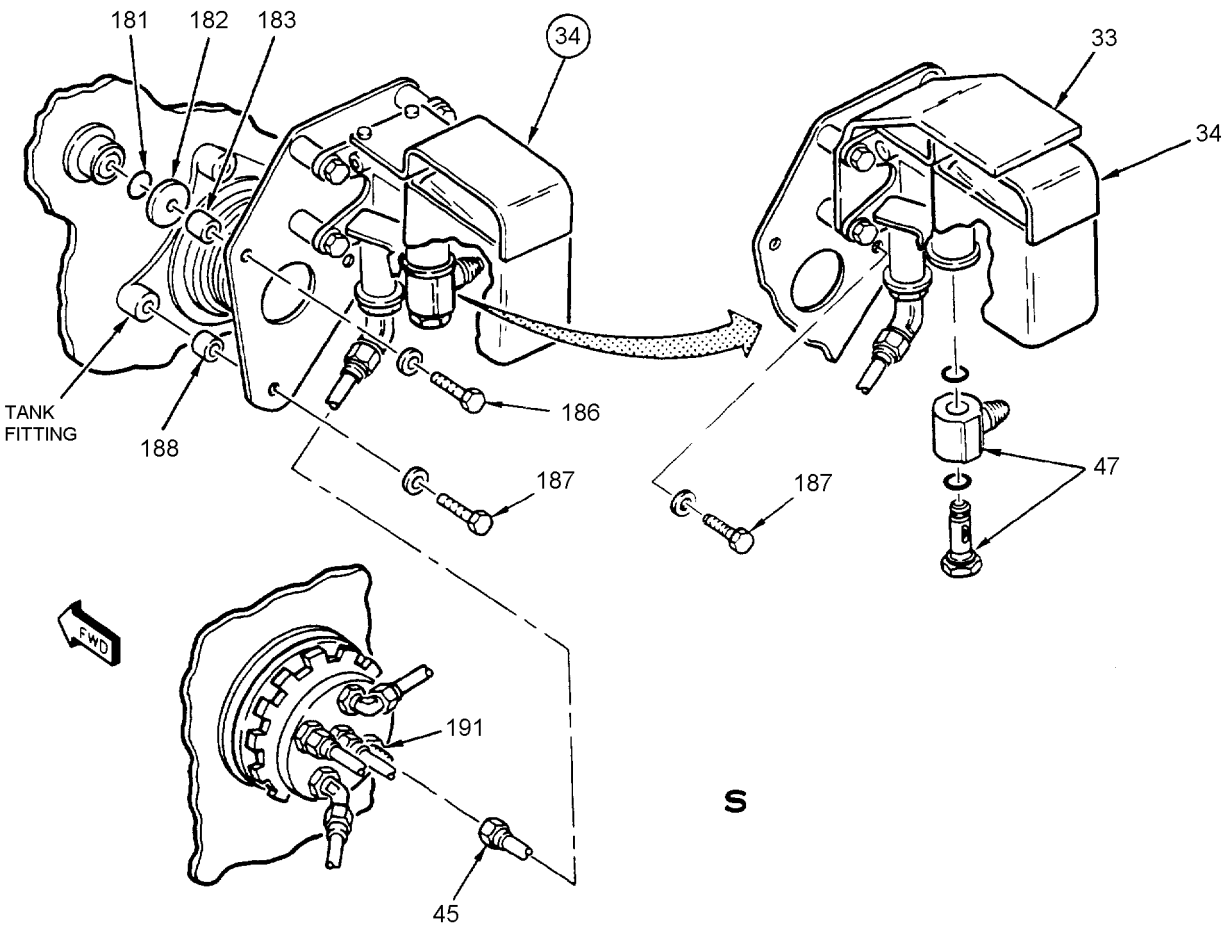


a. Install packing (181), washer (182), spacers (183 and 188), valve (34) and bolts (186 and 187) and washers. Snug up all bolts (186 and 187), then torque 50 to 70 inch-pounds. Do not retorquer without first loosening all bolts (186 and 187). (QA) Seal bolt (186) threads per WP013 00. (QA)

b. Connect tube (45).

c. Install connector (47) and packings (MS29512-06 at valve (34), MS29513-110 under bolt (47) head).

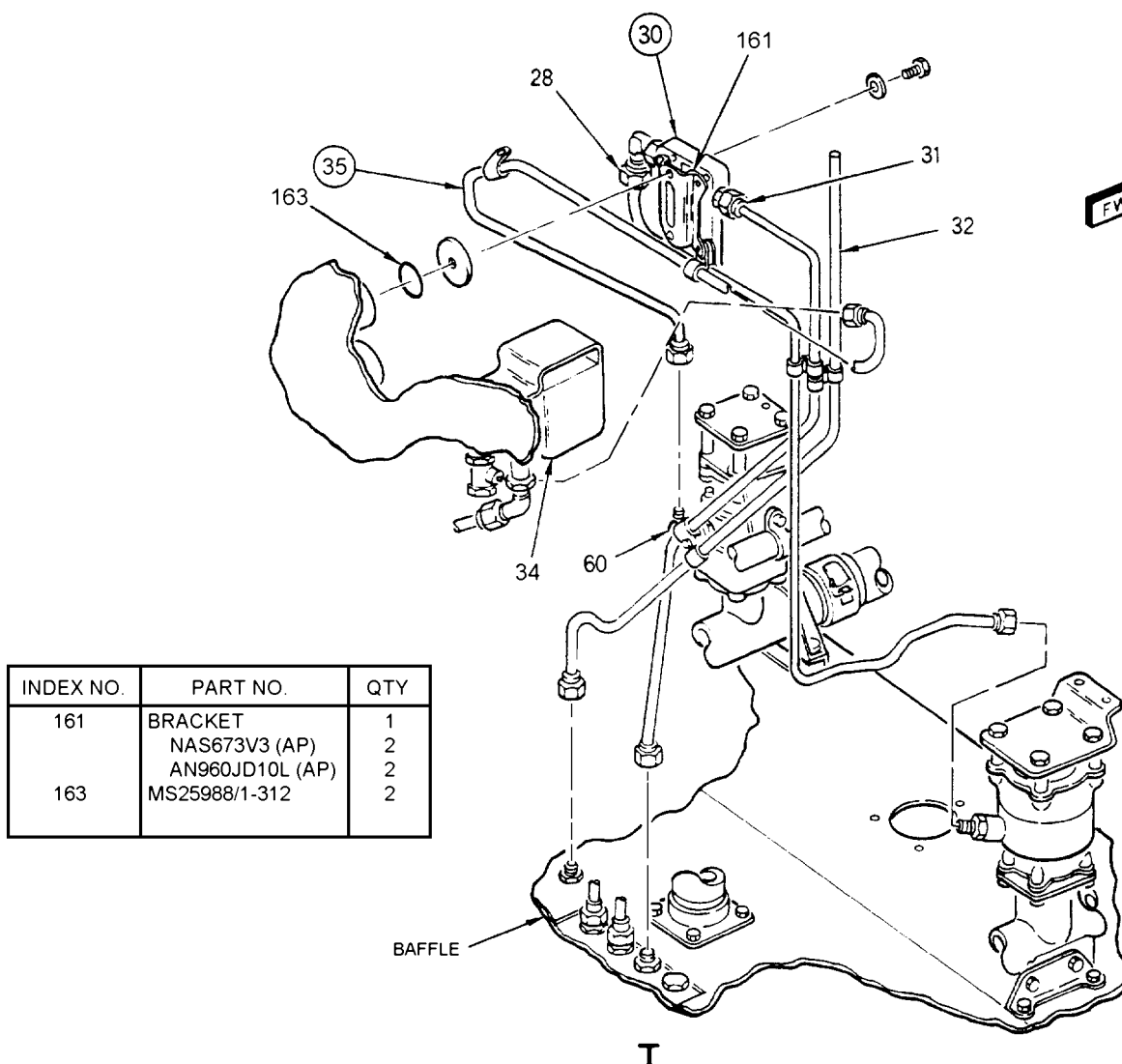
INDEX NO.	PART NO.	QTY
47	CONNECTOR MS29512-06 (AP) MS29512-110 (AP)	1 1
181	M25988-1-312	1
186	NAS674V8 AN960JD416L (AP)	1 1
187	NAS674V6 AN960JD416 (AP)	2 2



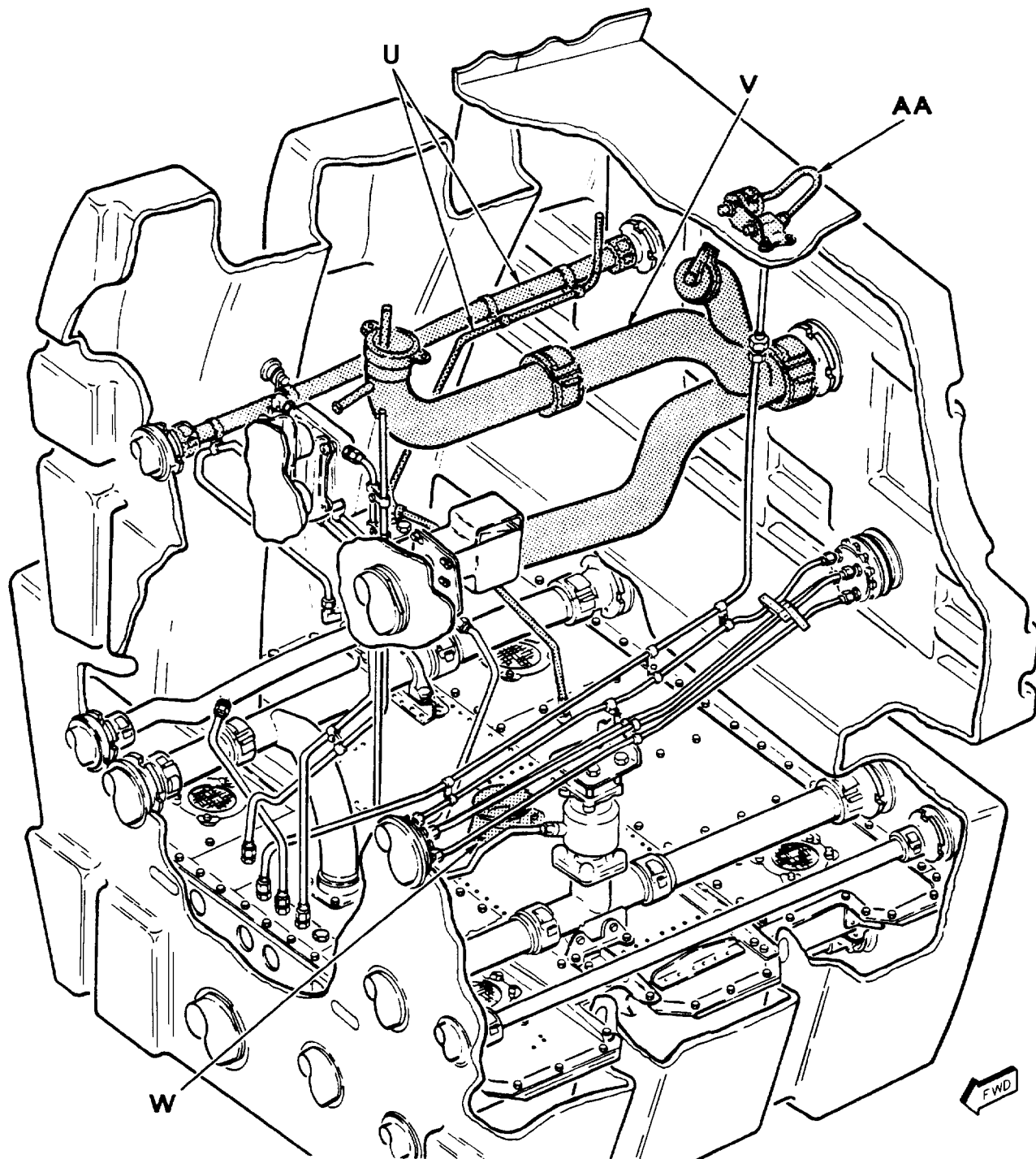
d. Connect tube (35).

e. Prepare mating surfaces of bracket (161), tank fittings and attaching parts for electrical bond (A1-F18AC-LMM-000).

f. Install packings (163), sensor (30) and tubes (28, 31, 32) and related parts.

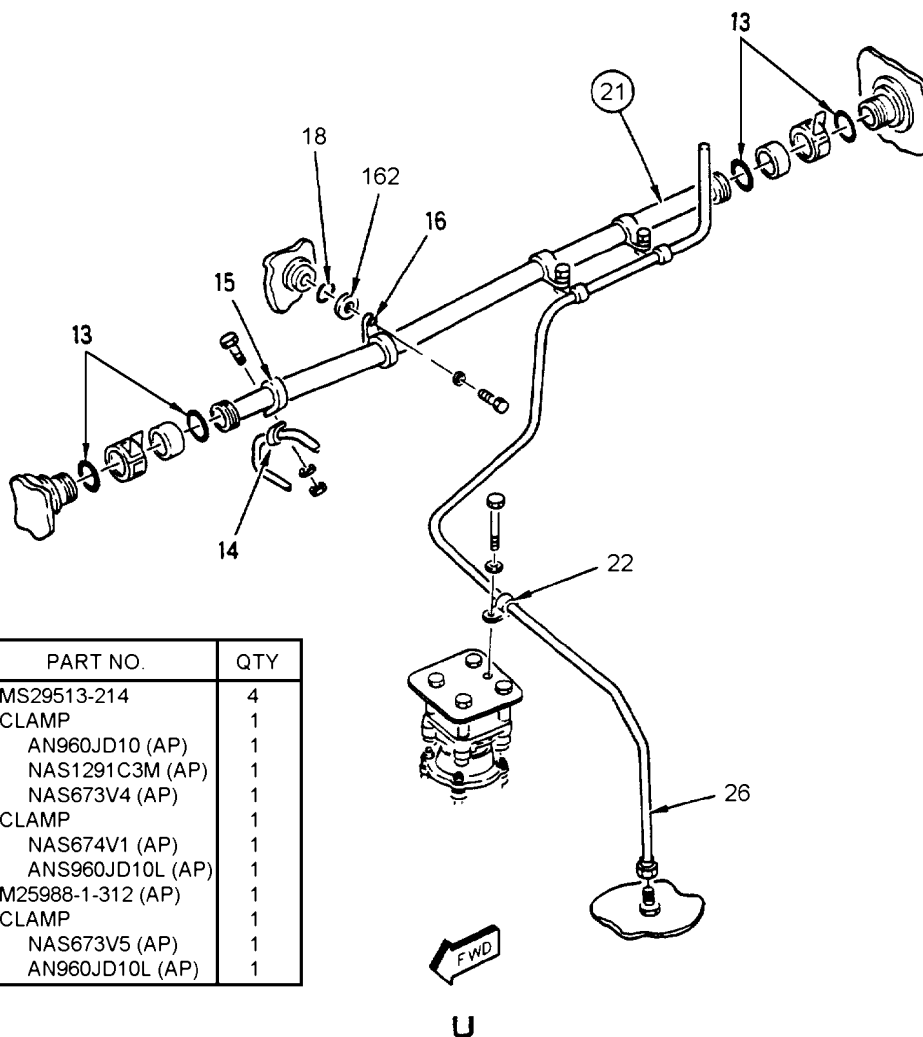


11. SEQUENCE 9.



a. Prepare mating surfaces of fuel tank fitting, washer (162), clamp (16) and related parts for electrical bond (A1-F18AC-LMM-000).

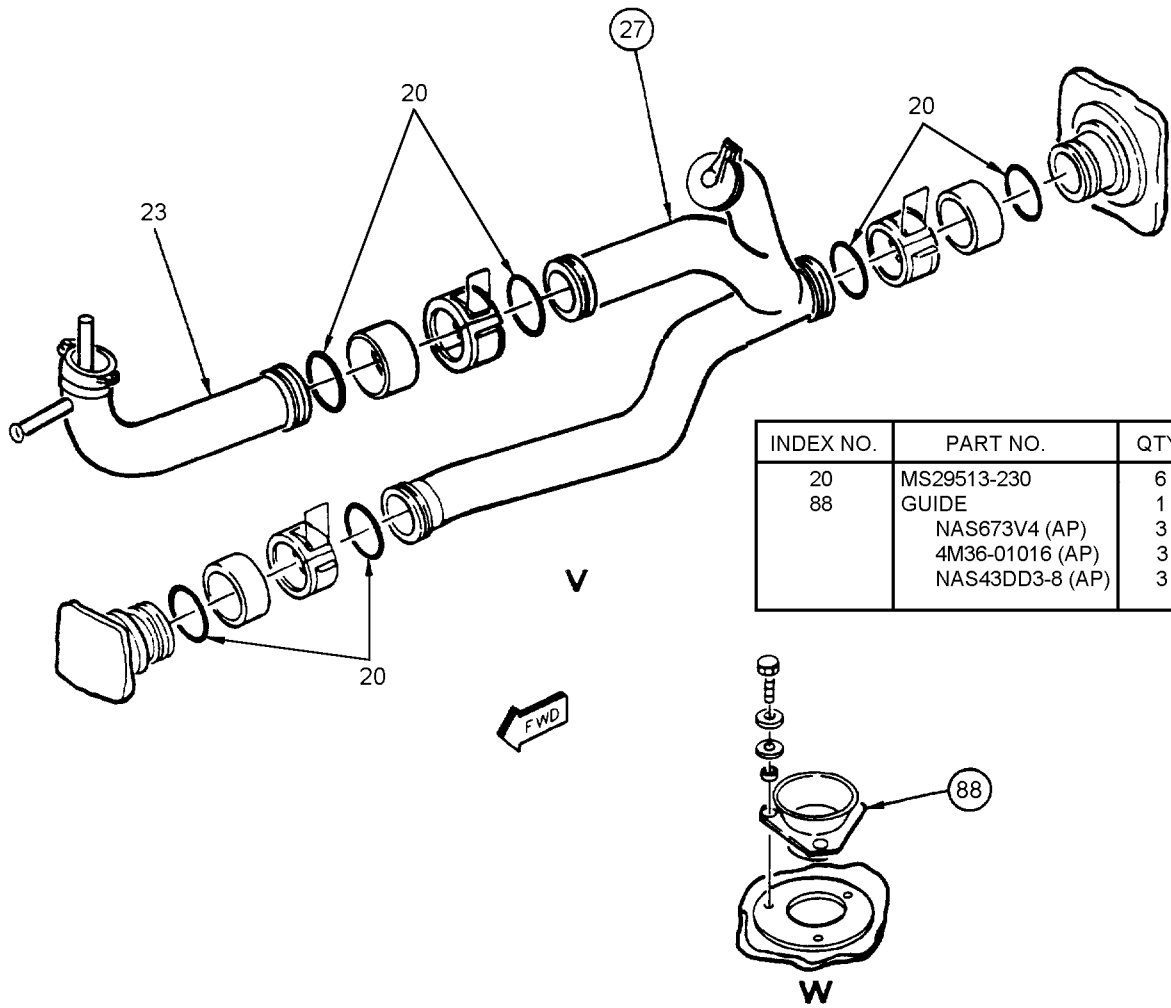
b. Install packings (13 and 18), tubes (21 and 26), clamps (14, 15, 16 and 22) and related parts. Seal clamp (16) bolt threads per WP013 00. (QA)



INDEX NO.	PART NO.	QTY
13	MS29513-214	4
15	CLAMP	1
	AN960JD10 (AP)	1
	NAS1291C3M (AP)	1
	NAS673V4 (AP)	1
16	CLAMP	1
	NAS674V1 (AP)	1
	ANS960JD10L (AP)	1
18	M25988-1-312 (AP)	1
22	CLAMP	1
	NAS673V5 (AP)	1
	AN960JD10L (AP)	1

c. Install packings (20), vent assembly (27), tube (23) and related parts.

d. Prepare probe guide (88) and baffle for electrical bond (A1-F18AC-LMM-000). Install probe guide (88) and attaching parts.



- e. Position packing (209) and thread wires through hole in dorsal deck.

f. Thread wires through elbow (8) and adapter (7), then connect adapter (7) to elbow (8).

g. Prepare mating surfaces of adapter (7) dorsal deck, elbow (8), bolts (210 and 211) and washers for electrical bond (A1-F18AC-LMM-000).

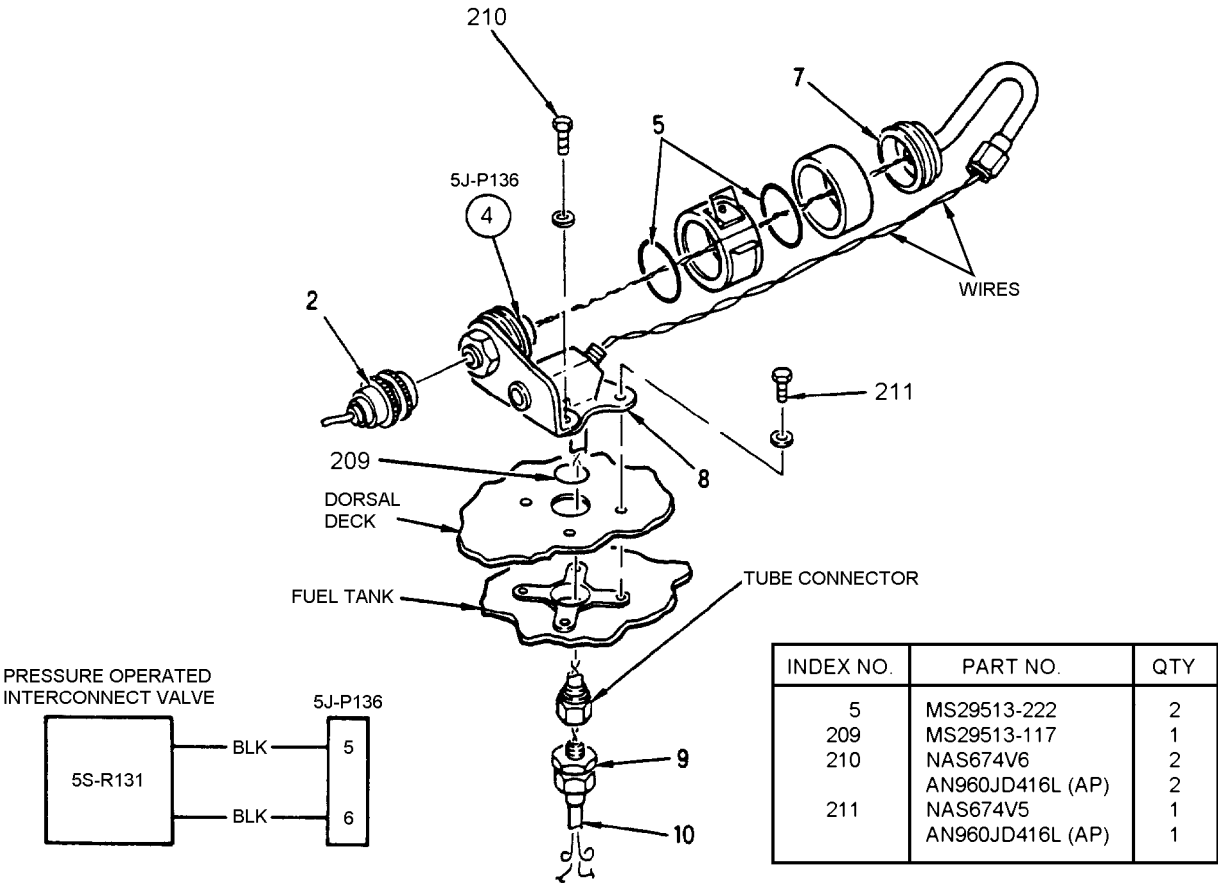
h. Install packing (209).
- i. Position and connect elbow (8) to nipple (9) and install bolts (210 and 211) and washers.

j. Torque tube connector nut on elbow (8) 75 to 140 inch-pounds.

k. Connect wires to connector (4) as shown below.

l. Install packings (5) and adapter (7).

m. Connect connector (2).



AA

n. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)

o. Install access cover (WP006 00).

p. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.

q. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.

r. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
INSTALLATION - NO. 3 FUEL TANK (5CAP510)
FUEL STORAGE SYSTEM
EFFECTIVITY: 161716 AND UP

Reference Material

Fuel System	A1-F18AC-460-300
No. 3 Fuel Tank Access Cover	WP006 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 3 Fuel Tank Inspection and Folding	WP025 00
IPB - No. 3 Fuel Tank	WP024 02
Repair - No. 3 Fuel Tank Inverted Flight Baffle	WP024 05
No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports	WP042 00
Fuel System	A1-F18AC-460-200
Internal Fuel Transfer and Engine Fuel Supply System	WP012 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Plane Captain Manual	A1-F18AC-PCM-000
Structure Repair Manual	A1-F18AC-SRM-500
Aircraft Corrosion Control Form in Place Sealing	WP010 00

Alphabetical Index

Subject	Page No.
General	2
Installation	4
Materials Required	2
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

1. GENERAL.

Part Number or
Type Designation

Nomenclature

NOTE

-

Torque Wrench,
0 to 60
Inch-Pounds

For complete parts list, see no. 3 fuel tank parts list (WP024 02). Packings and hardware are listed in tables on each page.

-

Torque Wrench,
0 to 200
Inch-Pounds

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

74D460019-1001
and
74D460029-1001

Fuel Cell
Removal/Installation
Tool Set

a. Do or observe applicable fuel tank maintenance precautions (WP013 00).

152016-1

Fuel Tank
Bulkhead Adapter
(Retainer) Socket
Wrench Set

WARNING

Materials Required

Specification
or Part Number

Nomenclature

NOTE

MIL-C-5040, Type 3
(CAGE 81349)

Cord, Fibrous

MS20995NC32
(CAGE 96906)

Lockwire

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks can occur resulting in fire hazard.

VV-P-236
(CAGE 81348)

Petrolatum, Technical

Nonprotruding bulkhead connectors have a retaining ring on one side only, opposite side has fixed flange.

74K580003-1005
(CAGE 76301)

Preformed Packing
Assortment

b. Inspect applicable nonprotruding bulkhead connectors and replace (WP042 00) missing or damaged retaining rings.

474
(CAGE 26066)

Tape, Pressure
Sensitive

c. Apply pressure sensitive tape to all protruding type fittings inside cavity.

NOTE

Tie start knot of all lacing cords at first cavity lacing bracket before installing fuel tank to ease lacing procedure.

d. Fold and insert fuel tank (WP025 00).

e. After positioning tank in cavity, remove pressure sensitive tape from cavity fittings.



Petrolatum, Technical, VV-P-236

1

f. Lubricate new packings with petrolatum before installation.

g. For alignment and spacing of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K,

W904K, 14J12 or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted. (QA)

i. On 161752 AND UP, inspect baffle assembly form in place seals for damage. Repair form in place seals (A1-F18AC-SRM-500, WP010 00).

j. Unless covered by form in place seal, electrical bond holes in baffle assembly where indicated by symbol (A1-F18AC-LMM-000).

k. When a sequence is completed, inspect applicable tasks listed below for compliance: (QA)

(1) Specific torque callouts.

(2) Items safetied with lockwire.

(3) Foreign objects removed.

(4) Coupling condition and security.

(5) Tube/line condition and security, and torque if printed on tube/line.

(6) Fuel tank (bladder) condition.

2. INSTALLATION.

3. SEQUENCE 1.

- a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on forward tank wall and two each on left and right side of tank).



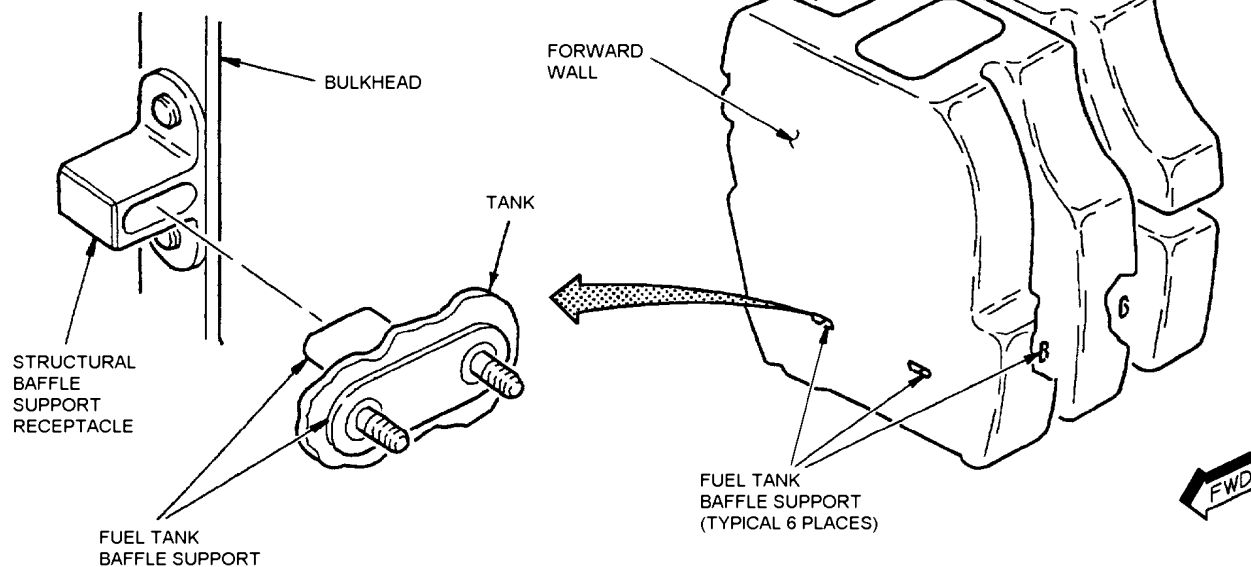
To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle receptacles.

LEGEND

1 USE ONLY COUPLINGS W901K, W904K, 14J12, 14C12.

EB ELECTRICAL BOND HOLE UNLESS COVERED BY FORM IN PLACE SEAL (A1-F18AC-LMM-000).

EB MS ELECTRICAL BOND MATING SURFACES.



02302p04

b. Cut lacing cords per chart below.

c. Finish end of lacing cords (WP013 00).

d. Install lacing cords following the sequence numbers shown on the next page. (S equals start, F equals finish).

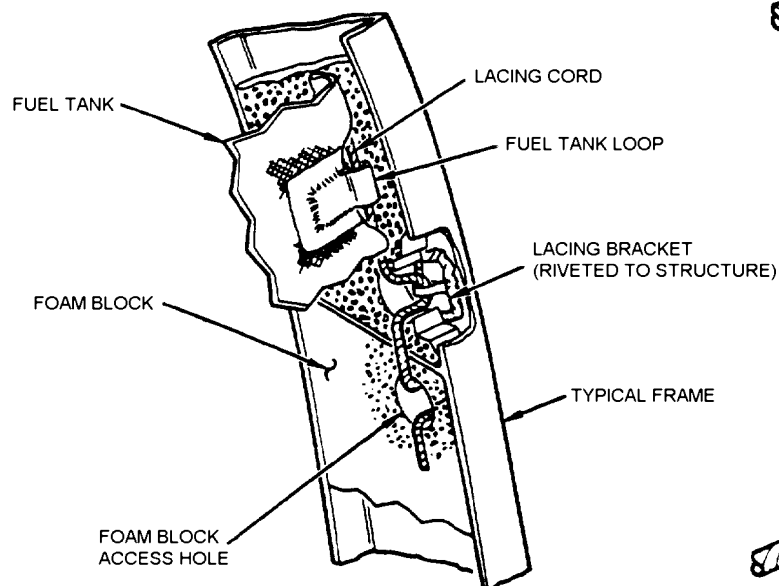
e. Always pull cord completely through lacing bracket and fuel tank loop before starting into next bracket or loop.



To prevent damage to fuel tank, be careful when trimming lacing cords.

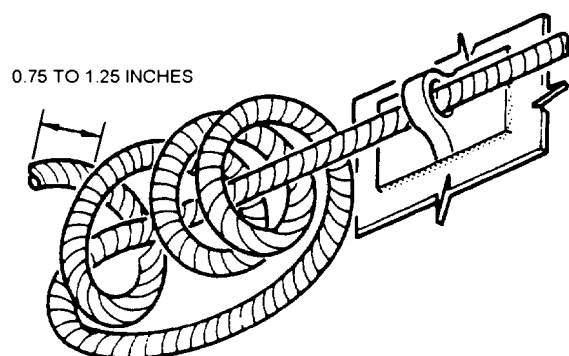
f. Limit lacing cord length to 0.75 to 1.25 inches past knot and finish per WP013 00.

g. Lace right side of tank the same as left side, alternating from one side to the other.



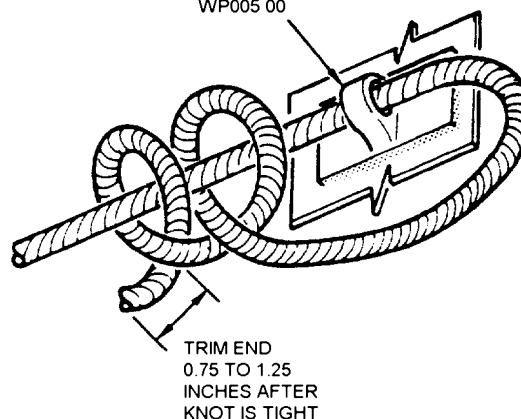
TYPICAL LACING PROCEDURE

LENGTH OF CORD	QTY
4 FEET	2
5 FEET	5
6 FEET	4
7 FEET	1

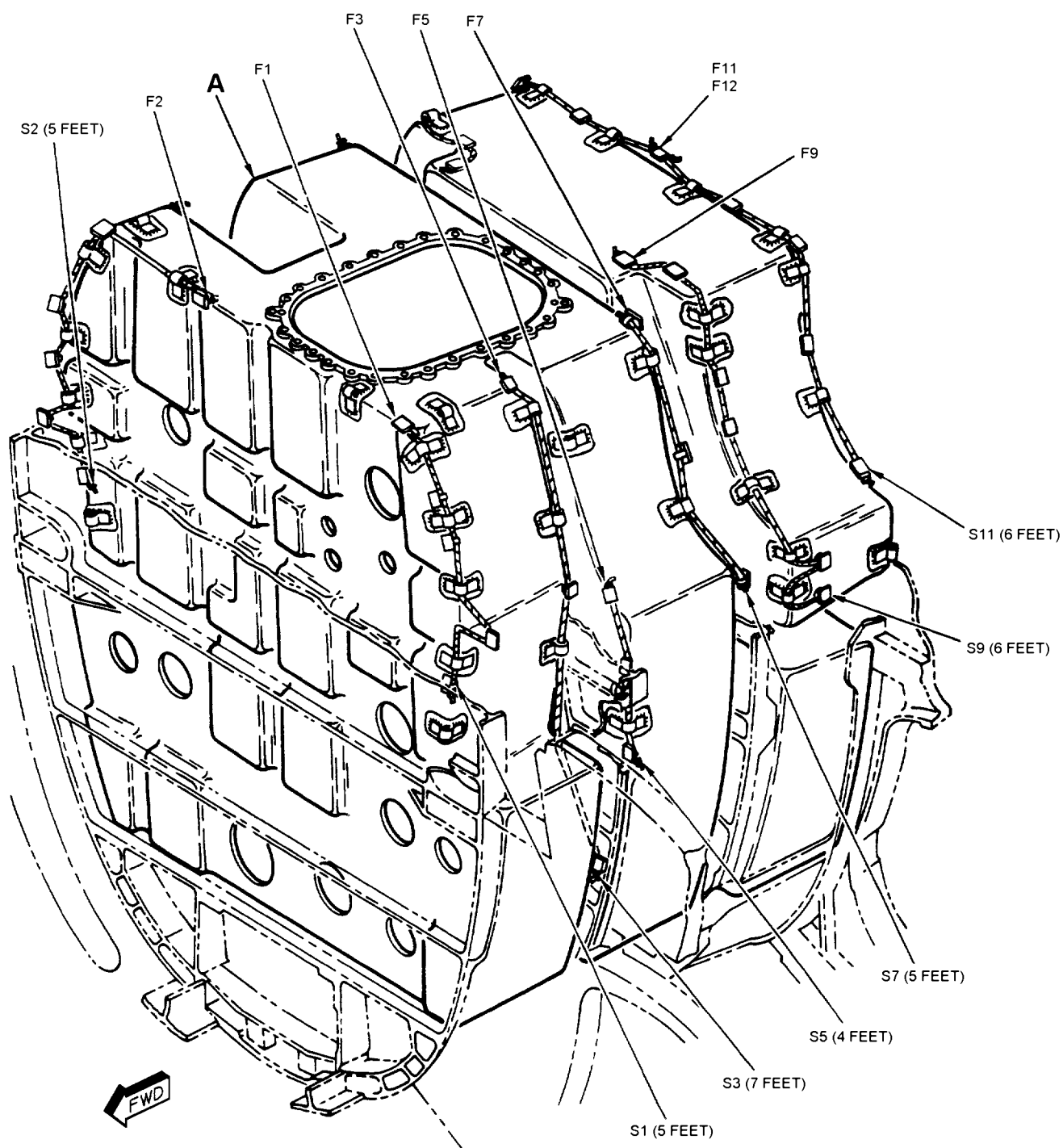


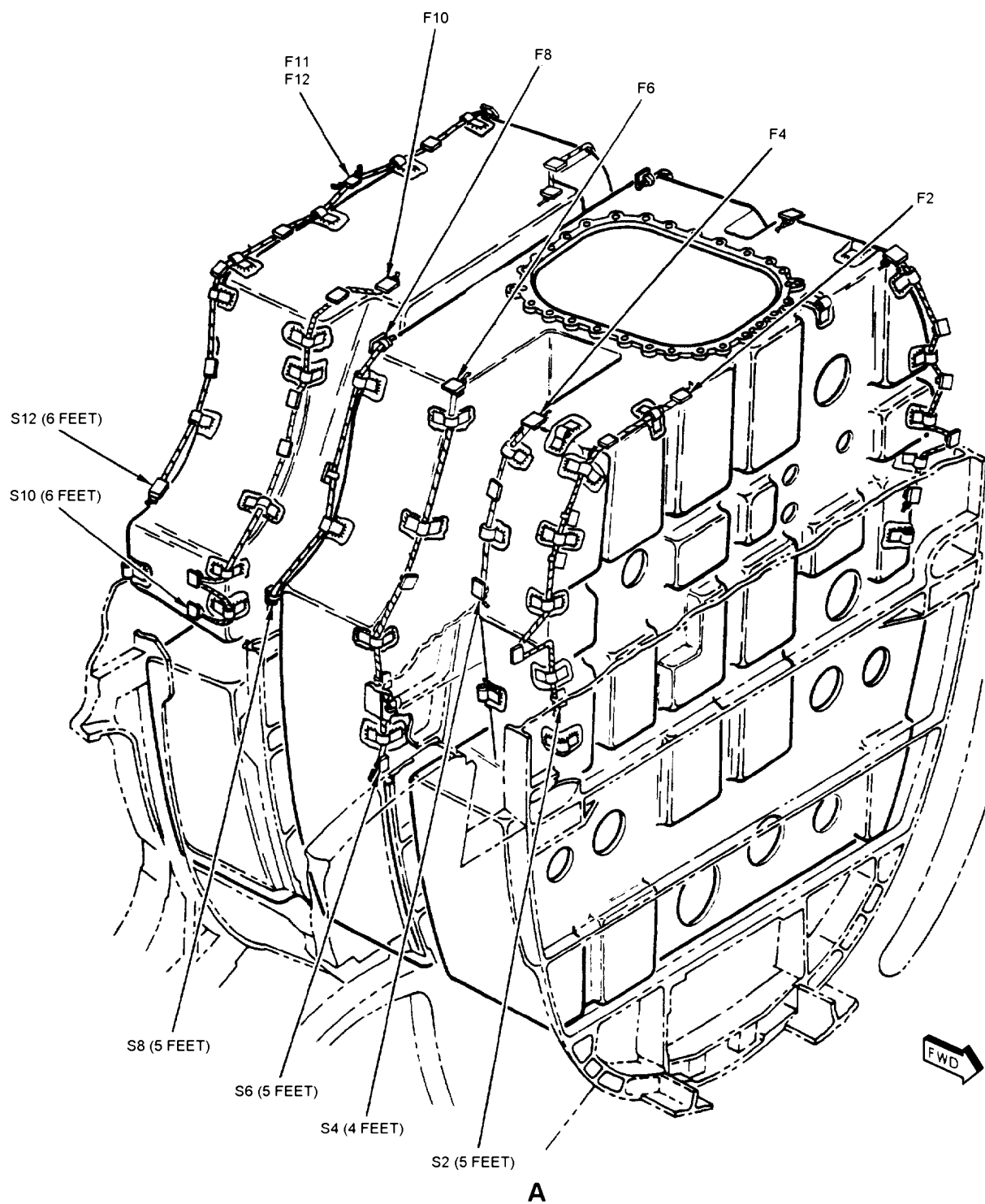
START KNOT

LACING BRACKET
A1-F18AC-SRM-430
WP005 00

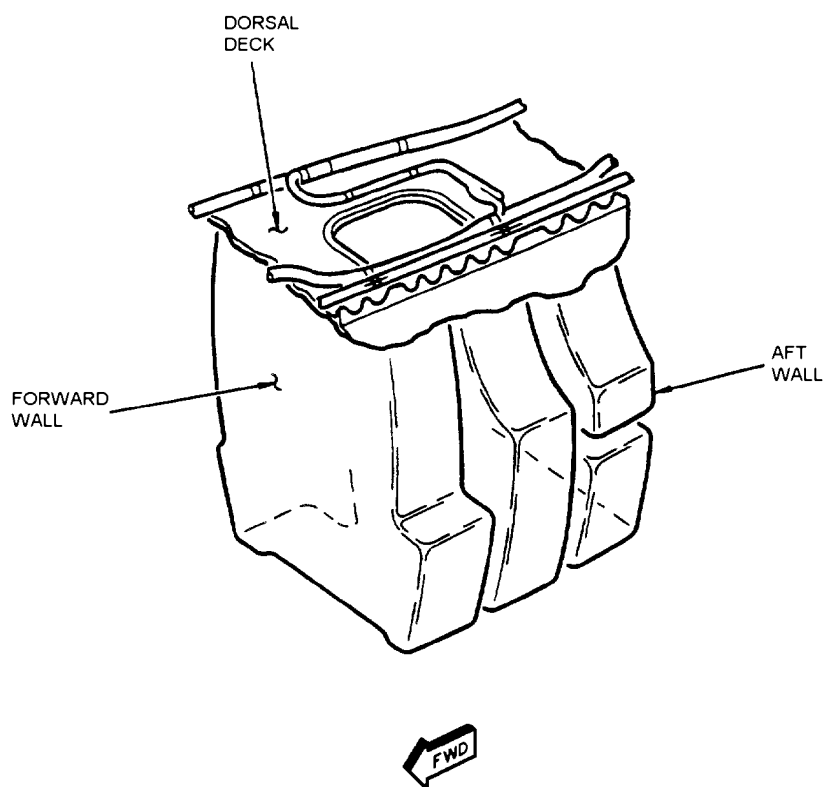


FINISH KNOT





4. SEQUENCE 2.

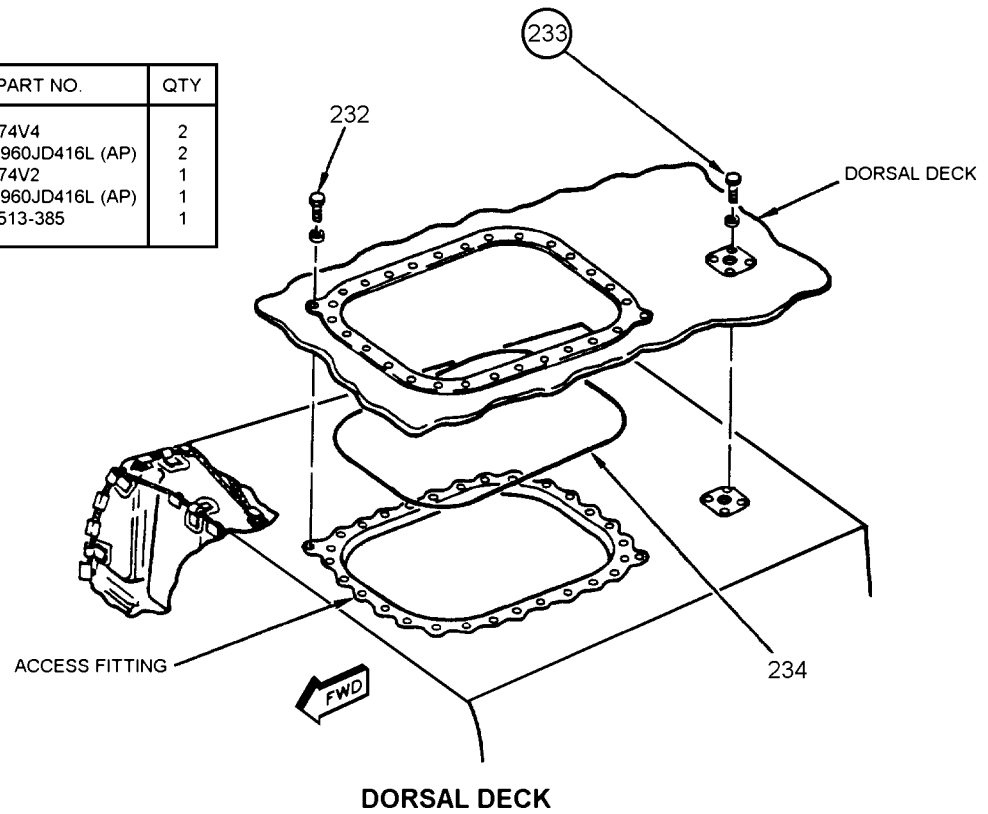


a. Prepare mating surfaces of access fitting and dorsal deck for electrical bond (A1-F18AC-LMM-000).

c. Install bolt (233) and washer.

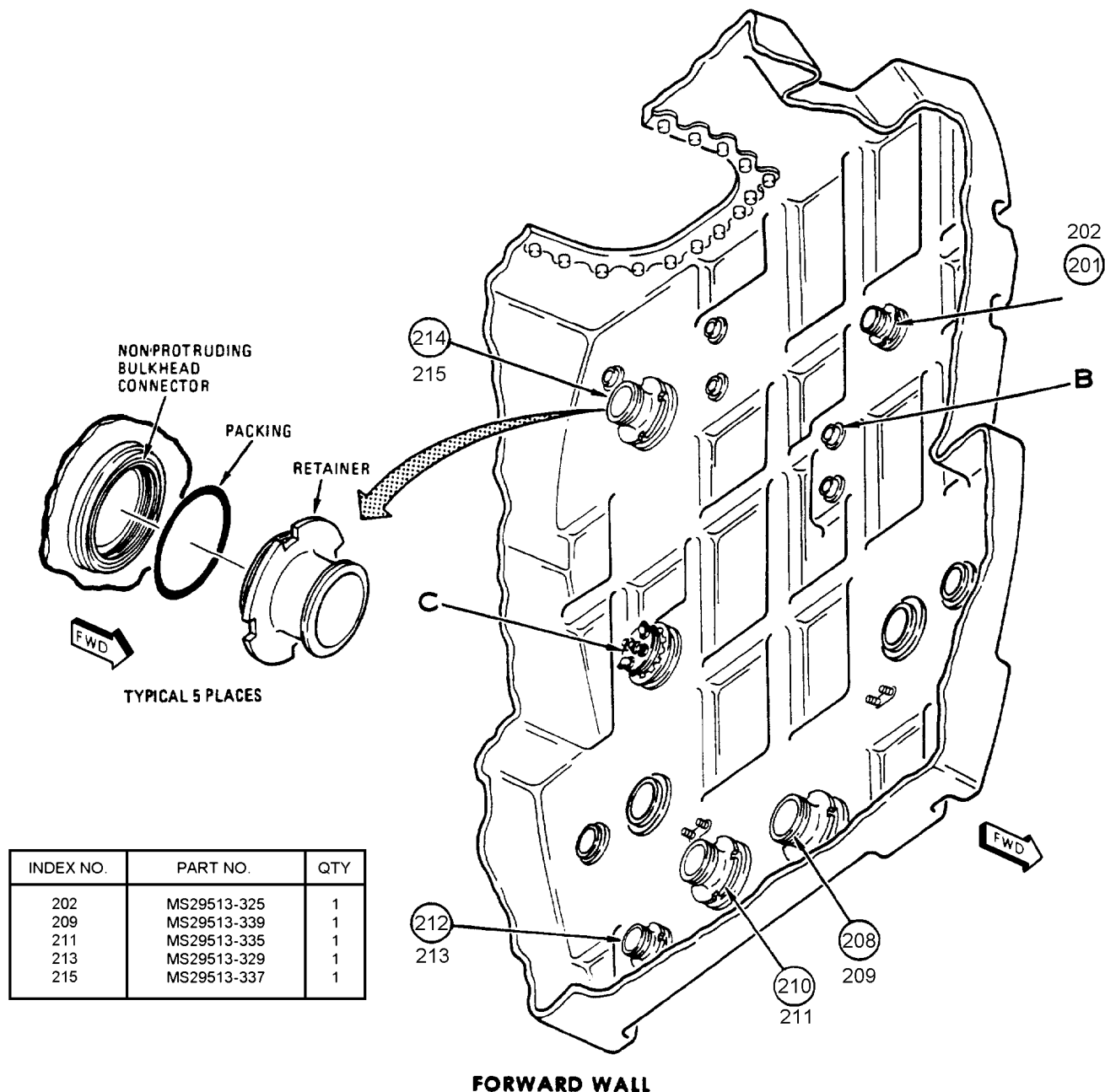
b. Install packing (234), bolts (232) and washers.

INDEX NO.	PART NO.	QTY
232	NAS674V4	2
	AN960JD416L (AP)	2
233	NAS674V2	1
	AN960JD416L (AP)	1
234	MS29513-385	1



d. Prepare mating surfaces of bulkhead connector and retainer (208) for electrical bond (A1-F18AC-LMM-000).

e. Install packings (202, 209, 211, 213, and 215), and retainers (201, 208, 210, 212 and 214) and verify running torque and final torque (WP013 00). (QA)



INDEX NO.	PART NO.	QTY
202	MS29513-325	1
209	MS29513-339	1
211	MS29513-335	1
213	MS29513-329	1
215	MS29513-337	1

f. Prepare mating surfaces of structure and bolts (203) for electrical bond (A1-F18AC-LMM-000).

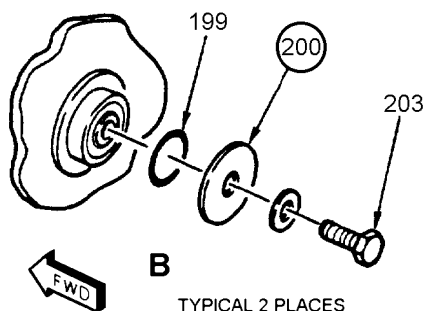
g. Install packings (199), washers (200), bolts (203) and attaching parts. Seal bolt (203) threads per WP013 00. (QA)

h. Install packing (215) and nut (223) and verify running torque and final torque (WP013 00). (QA)

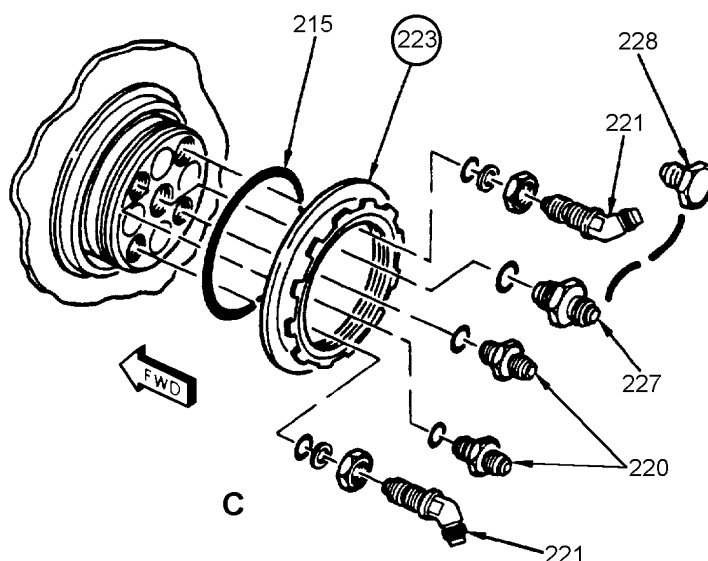
i. Install nipples (220), elbows (221) and related parts.

j. On 161716 THRU 163145, install nipple (227) and attaching part.

k. On 163146 AND UP, install plug (228) and attaching part.

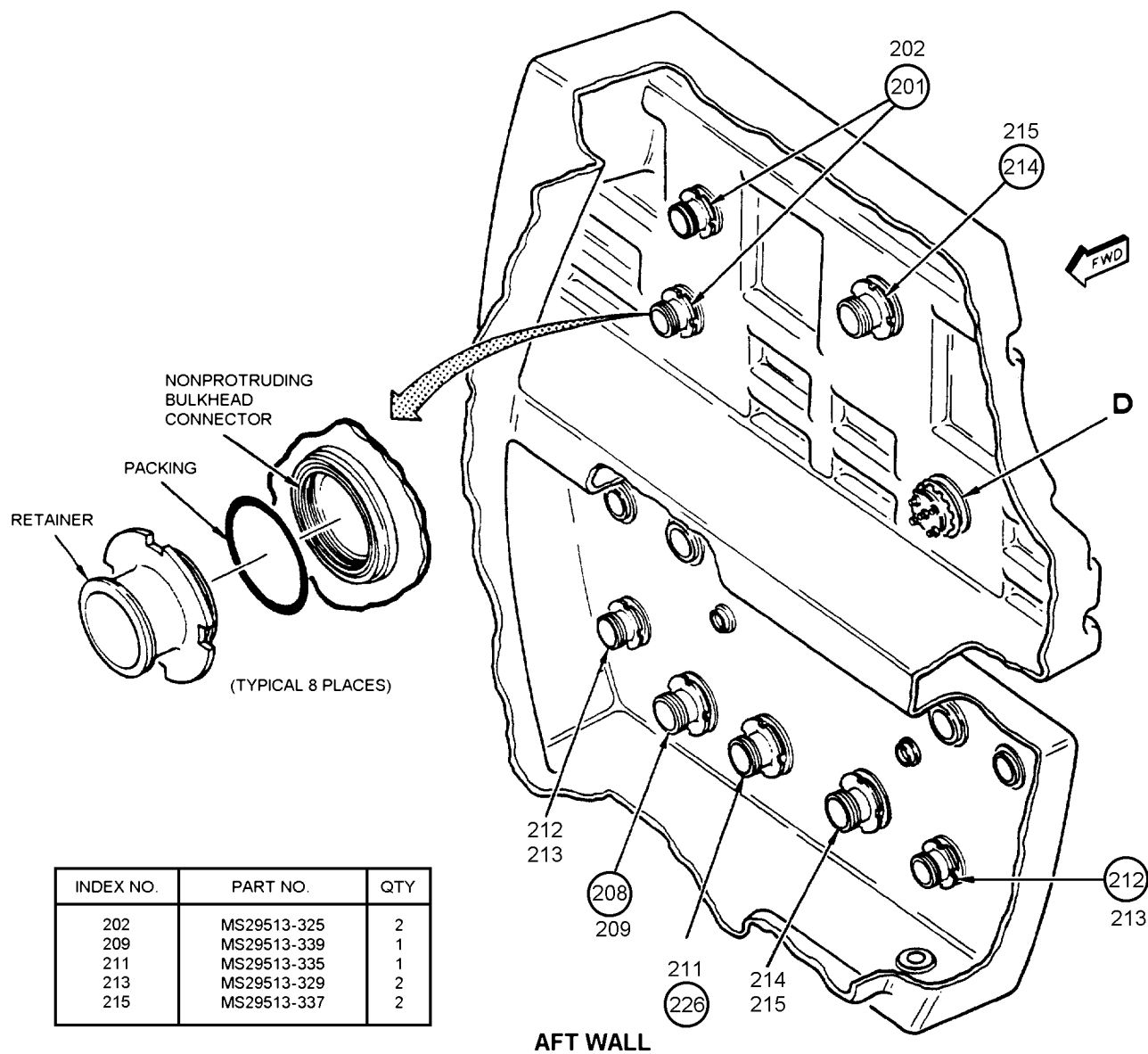


INDEX NO.	PART NO.	QTY
199	M25988-1-312	2
203	NAS673V2	2
	AN960JD10 (AP)	2
215	MS29513-337	1
220	NIPPLE	
	MS29512-04 (AP)	2
221	ELBOW	
	MS29512-04 (AP)	2
	MS28773-04 (AP)	2
	AN6289D4 (AP)	2
227	NIPPLE	
	MS29512-06 (AP)	1
228	PLUG	
	MS29512-06 (AP)	1



l. Prepare mating surfaces of bulkhead connectors and retainers (208 and 212) for electrical bond (A1-F18AC-LMM-000).

m. Install packings (202, 209, 211, 213 and 215), and retainers and (201, 208, 212, 214 and 226) and verify running torque and final torque (WP013 00). (QA)



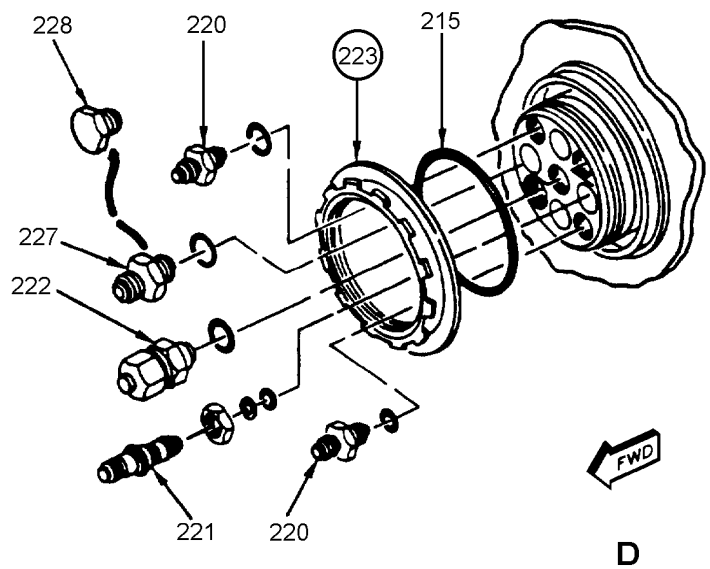
INDEX NO.	PART NO.	QTY
202	MS29513-325	2
209	MS29513-339	1
211	MS29513-335	1
213	MS29513-329	2
215	MS29513-337	2

n. Install packing (215) and nut (223) and verify running torque and final torque (WP013 00). (QA)

o. Install nipples (220 and 222), elbow (221) and attaching parts.

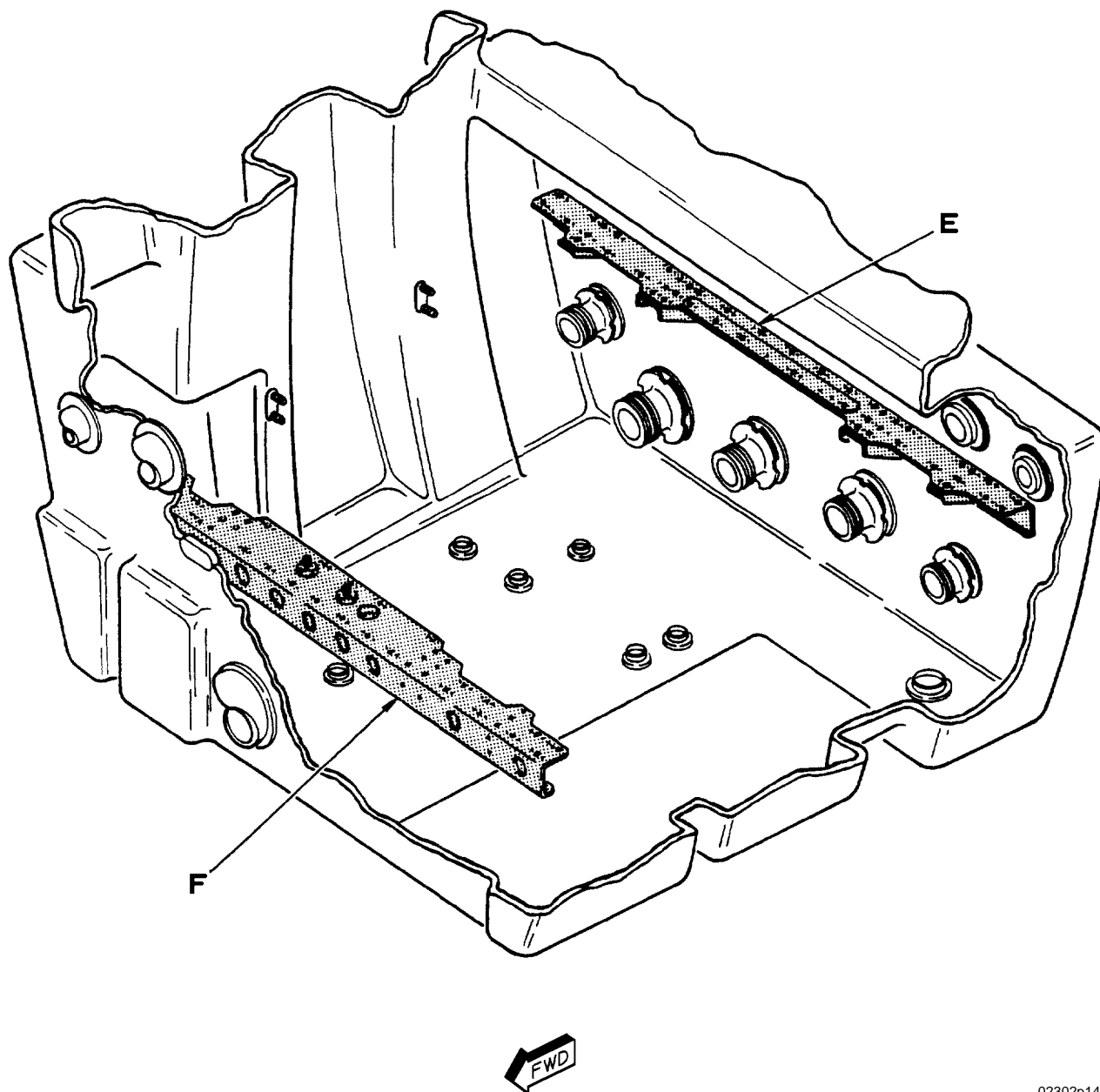
p. On 161716 THRU 163145, install nipple (227) and attaching parts.

q. On 163146 AND UP, install plug (228) and attaching part.



INDEX NO.	PART NO.	QTY
215	MS29513-337	1
220	NIPPLE	
	MS29512-04 (AP)	2
221	ELBOW	
	MS29512-04 (AP)	1
	MS28773-04 (AP)	1
	AN6289D4 (AP)	1
222, 227	NIPPLE	
	MS29512-06 (AP)	2
228	PLUG	
	MS29512-06 (AP)	1

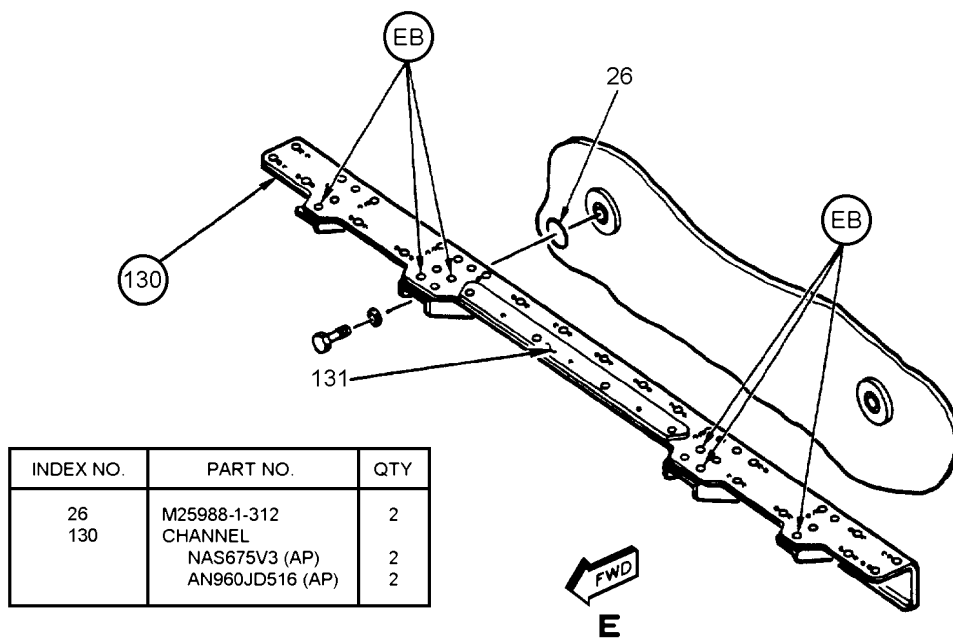
5. SEQUENCE 3.



NOTE

Make sure shim (131) is attached with rivets per WP024 05.

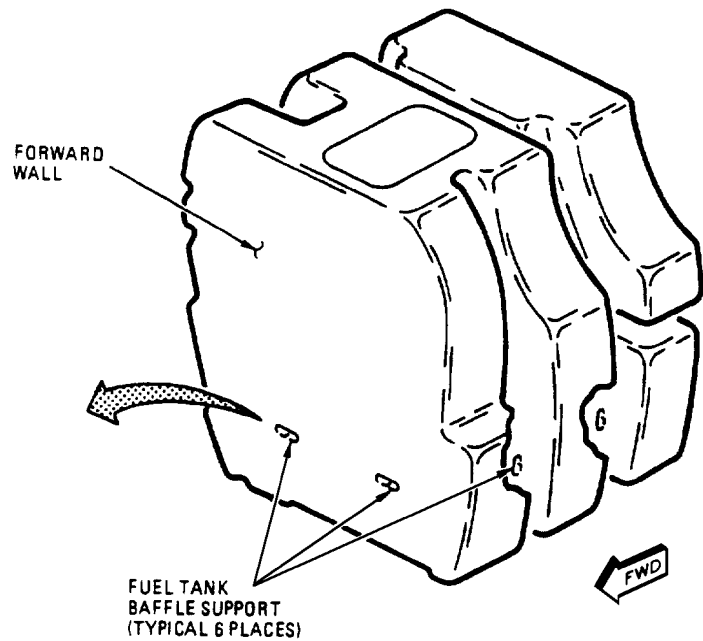
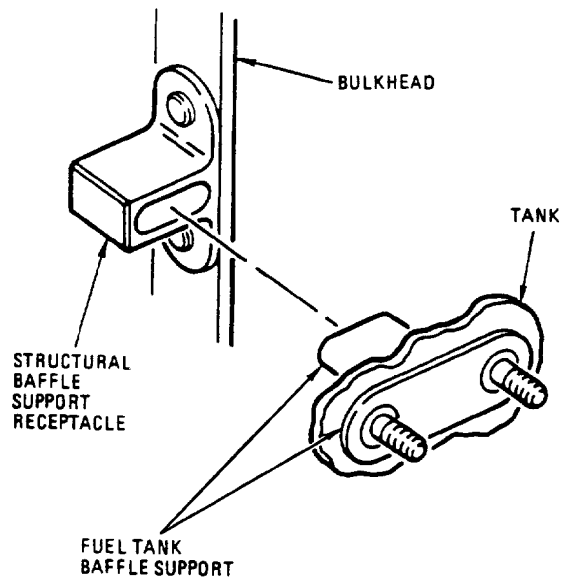
- a. Install packings (26), channel (130) and attaching parts. Seal channel (130) bolt threads per WP013 00. (QA)



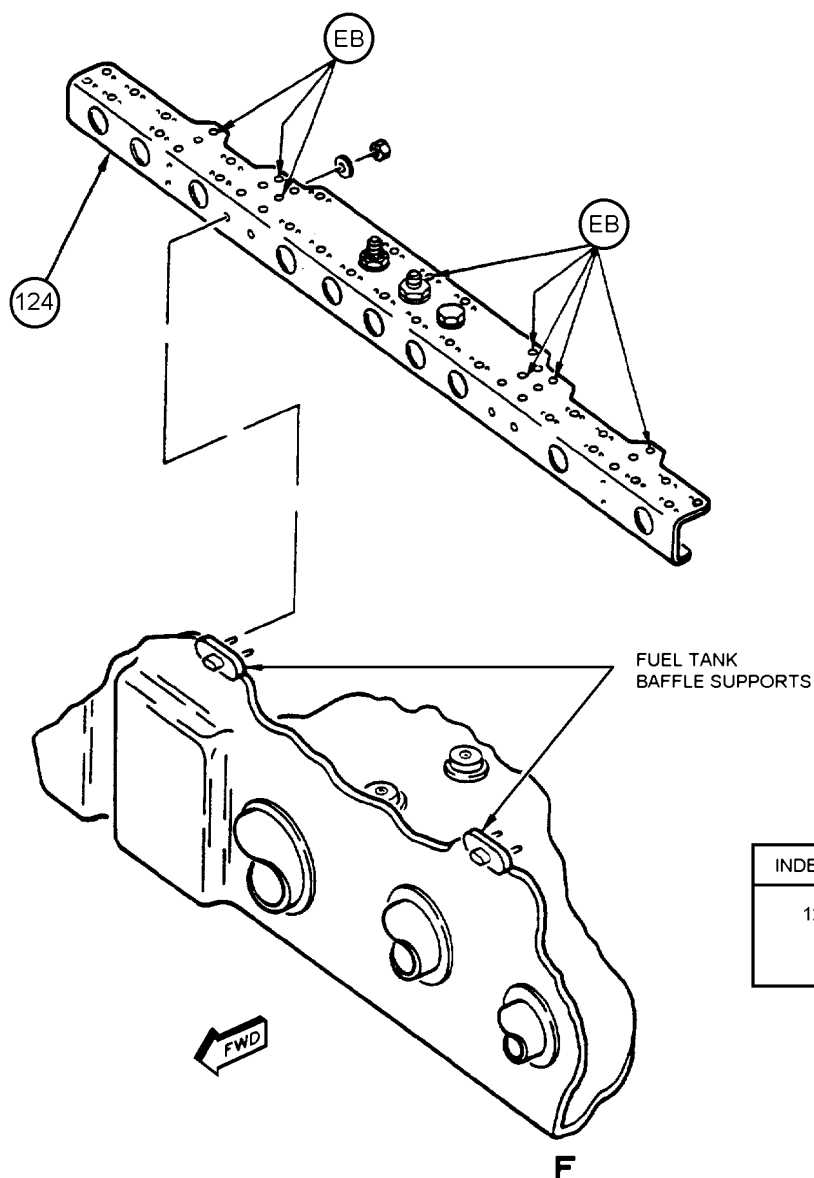
CAUTION

To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle receptacles.

b. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on forward tank wall and two each on left and right side of tank) before installing baffle structure around periphery of tank.

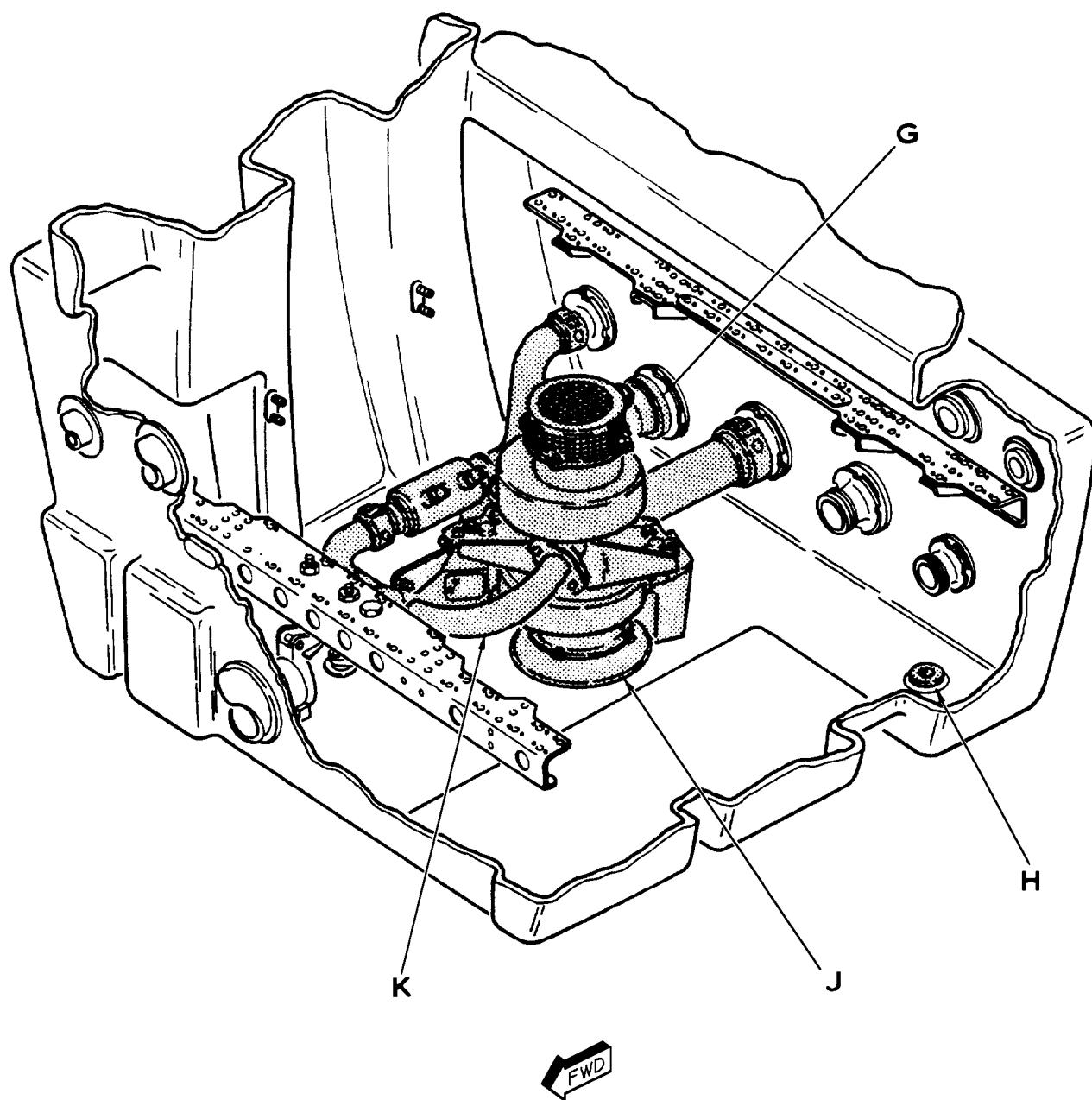


c. Install channel (124) and attaching parts.



INDEX NO.	PART NO.	QTY
124	CHANNEL	
	AN960JD416 (AP)	4
	NAS1291C4M (AP)	4

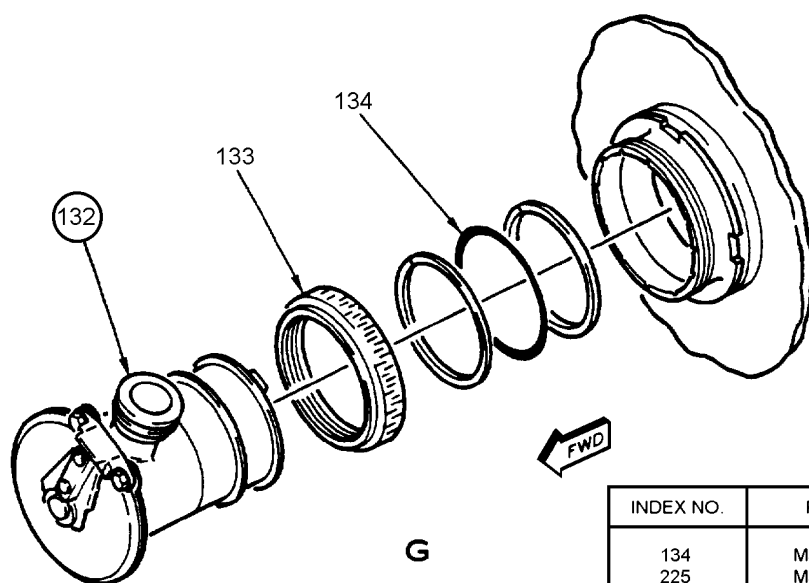
6. SEQUENCE 4.



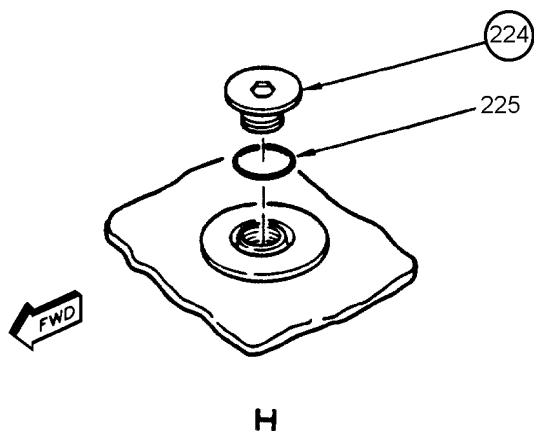
a. Prepare mating surfaces of valve (132) and nut assembly (133) for electrical bond (A1-F18AC-LMM-000).

b. Install packing (134), valve (132) and related parts. Tighten nut assembly (133) handtight.

c. Install packing (225) and adapter (224).



INDEX NO.	PART NO.	QTY
134	MS29513-334	1
225	MS29513-213	1



d. On 161924 AND UP, do substeps below:

(1) Prepare mating surfaces of bracket (178), supports (180 and 182), washers (185) and structure for electrical bond (A1-F18AC-LMM-000).

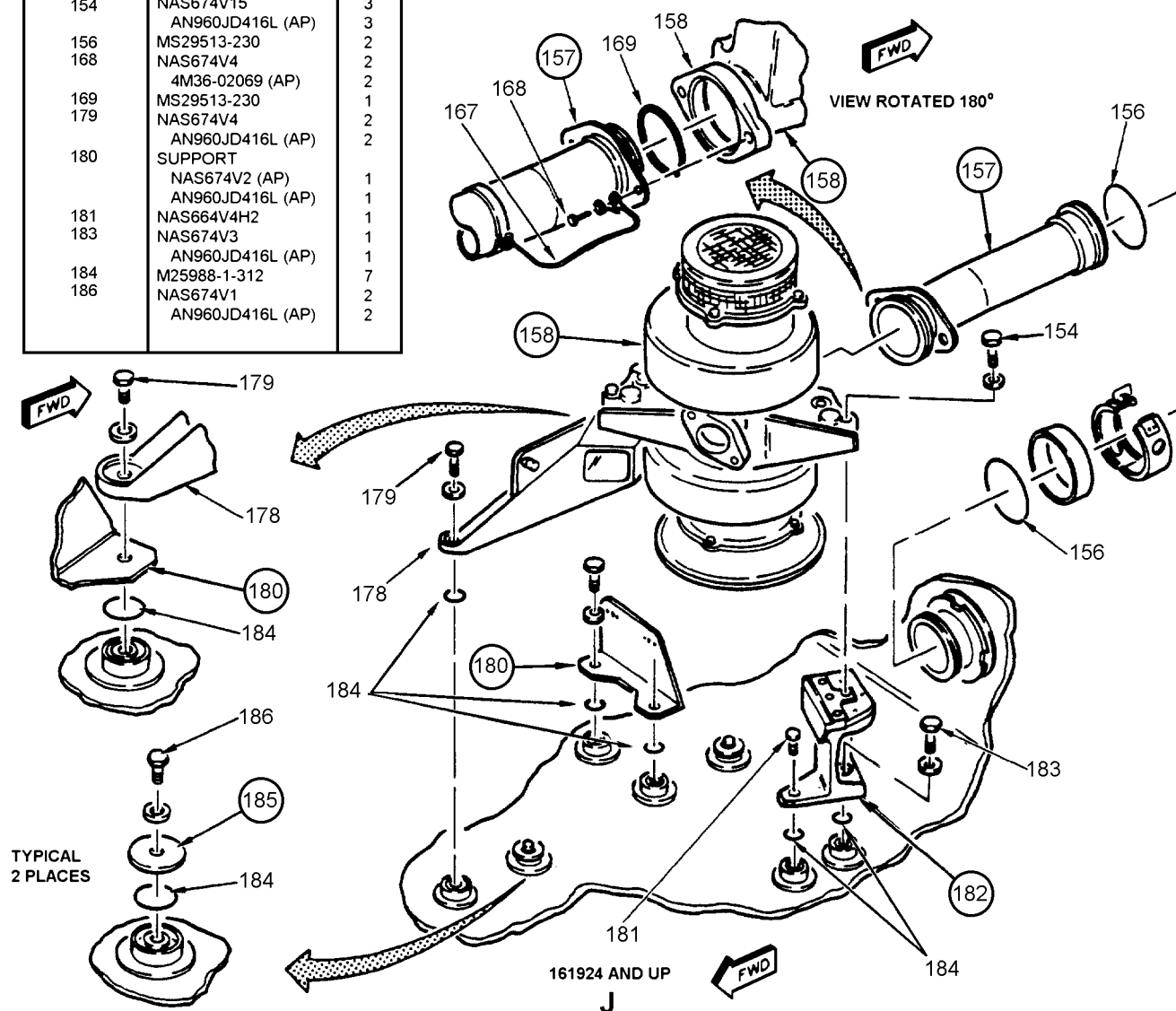
NOTE

Seal bracket (169) and support (180) bolt threads, screw (181) and bolt (183 and 186) threads per WP013 00. (QA)

(2) Install packings (184), bracket (180) with outboard attaching parts, bracket (182) with screw (181), washers (185), bolts (183 and 186) and attaching parts.

(3) Install packings (156 and 169), then position tube (157), boost pump (158) and bracket (178) assembly and install bolts (154 and 179) and attaching parts. Prepare mating surface of tube (157) flange and jumper (167) for electrical bond (A1-F18AC-LMM-000). Make sure jumper (167) is attached with bolt (168) and washer.

INDEX NO.	PART NO.	QTY
154	NAS674V15	3
	AN960JD416L (AP)	3
156	MS29513-230	2
168	NAS674V4	2
	4M36-02069 (AP)	2
169	MS29513-230	1
179	NAS674V4	2
	AN960JD416L (AP)	2
180	SUPPORT	
	NAS674V2 (AP)	1
	AN960JD416L (AP)	1
181	NAS664V4H2	1
183	NAS674V3	1
	AN960JD416L (AP)	1
184	M25988-1-312	7
186	NAS674V1	2
	AN960JD416L (AP)	2



e. On 161924 AND UP, do substeps below:

(1) Prepare mating surfaces of wash filter (151) for electrical bond (A1-F18AC-LMM-000).

(2) Install packings (5 and 160), then position tube (161) and wash filter (151) assembly. Install attaching parts.

(3) Prepare mating surfaces of angle (165) and support (180) for electrical bond (A1-F18AC-LMM-000).

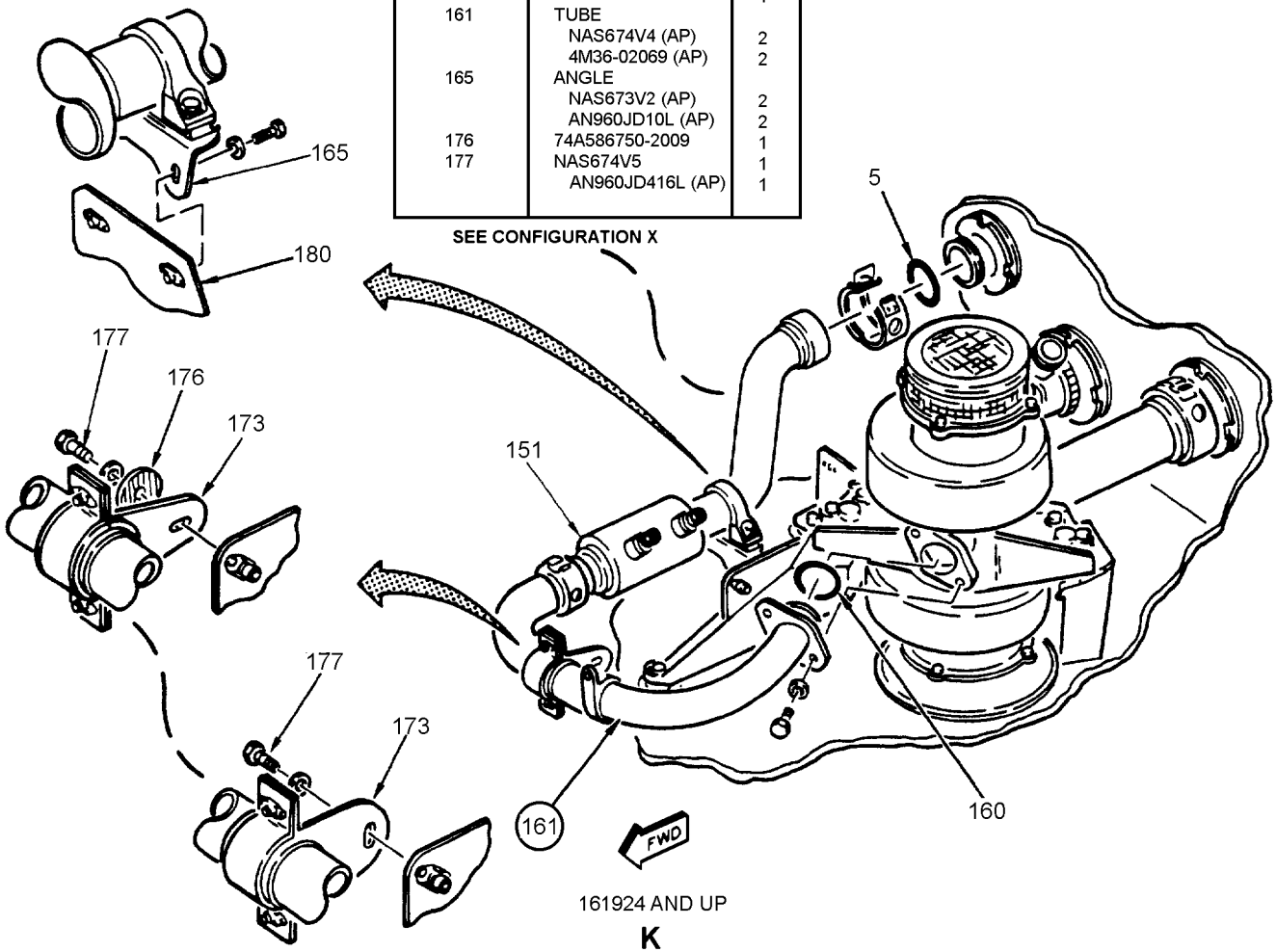
(4) Connect angle (165).

(5) Install serrated washer (176) if strap has serration.

(6) Install bolt (177) and attaching parts.

INDEX NO.	PART NO.	QTY
5	MS29513-222	1
160	MS29513-222	1
161	TUBE	
	NAS674V4 (AP)	2
	4M36-02069 (AP)	2
165	ANGLE	
	NAS673V2 (AP)	2
	AN960JD10L (AP)	2
176	74A586750-2009	1
177	NAS674V5	1
	AN960JD416L (AP)	1

SEE CONFIGURATION X



f. On 161716 THRU 161761, do substeps below:

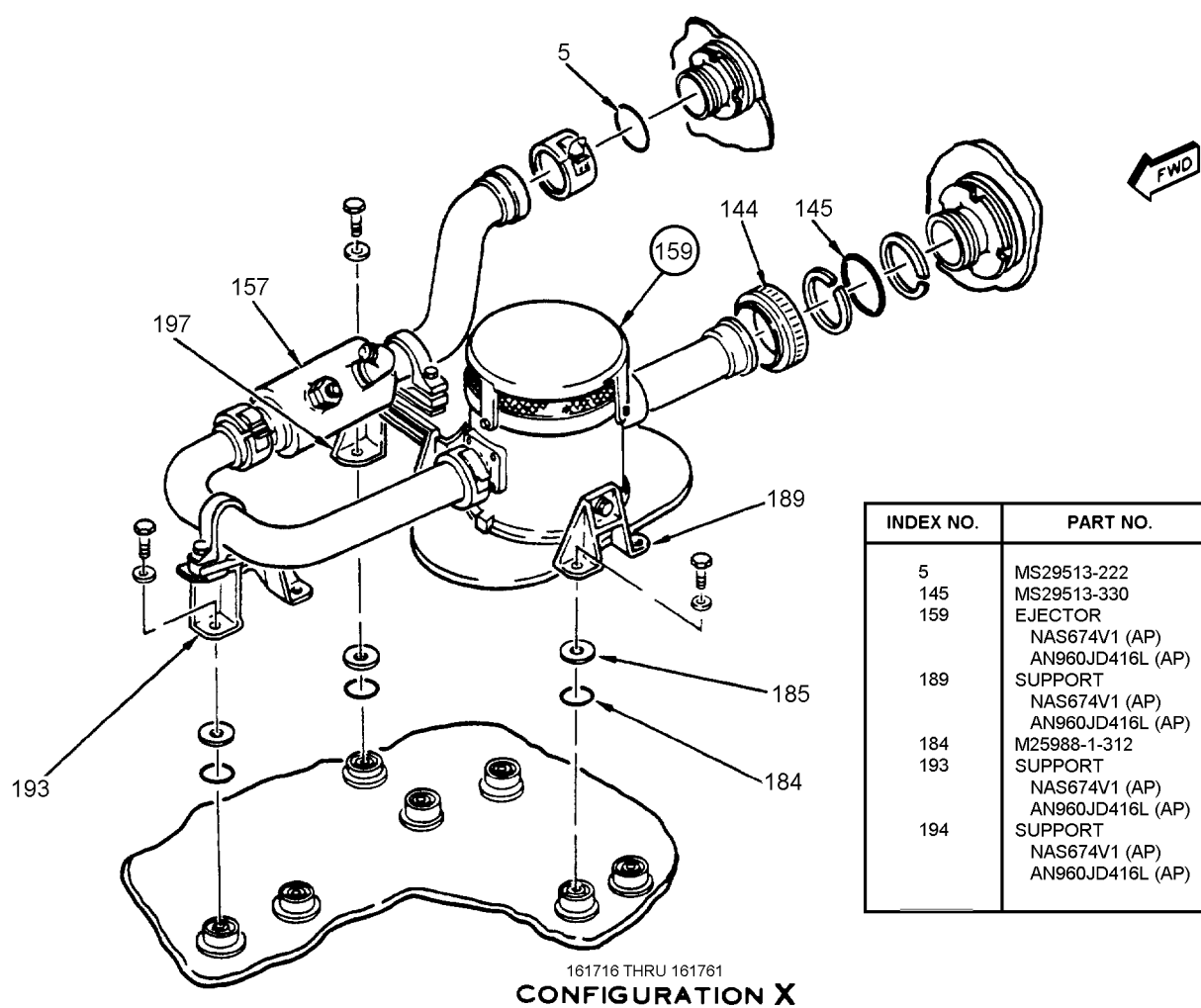
(1) Prepare mating surfaces of wash filter (151), supports (189, 193 and 194), washers (185) and structure for electrical bond (A1-F18AC-LMM-000).

WARNING

To prevent fuel system malfunction, shuttle inside ejector must move freely from top to bottom.

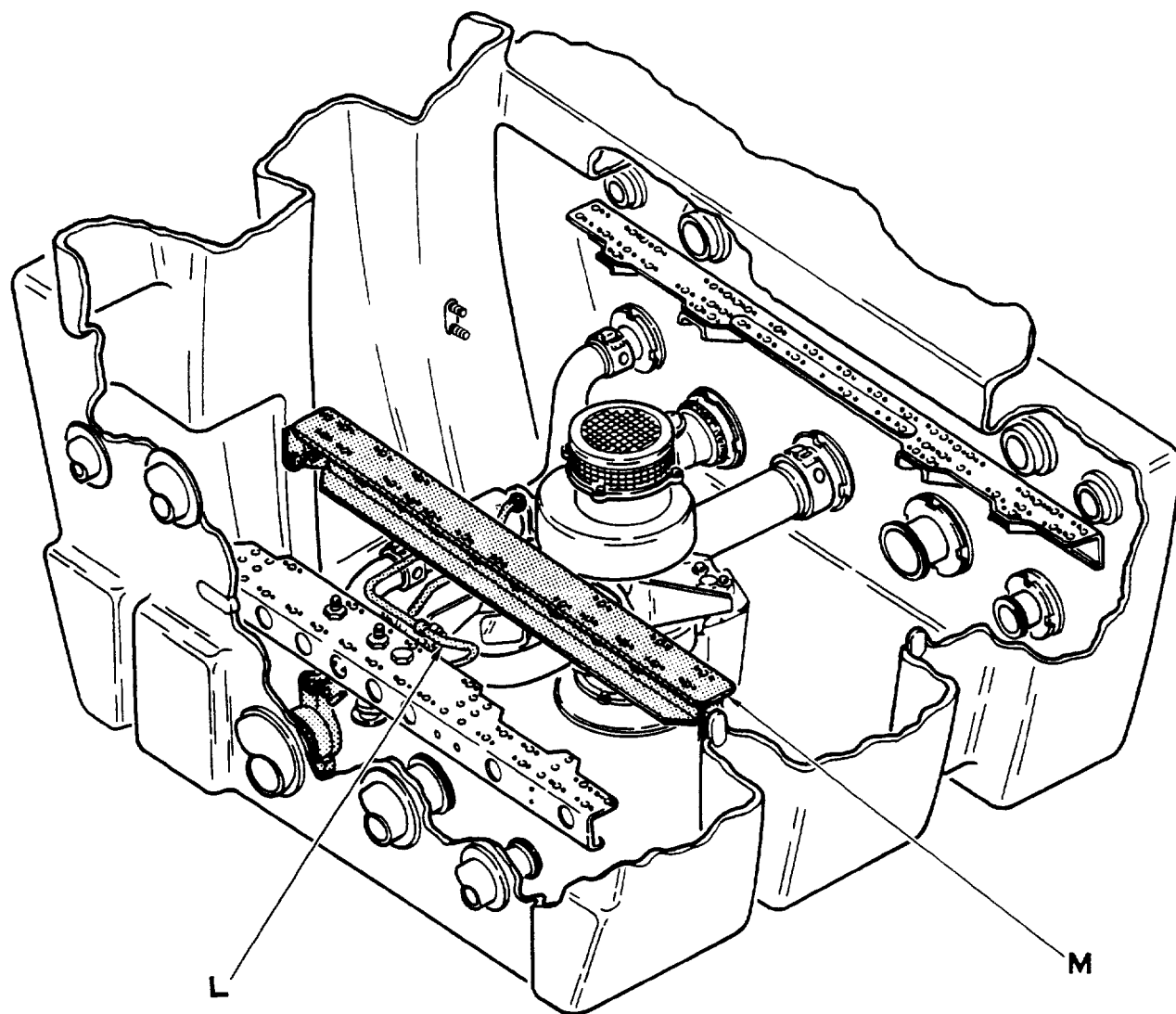
(2) Turn ejector (159) upside down then right side up and make sure shuttle inside ejector moves freely from top to bottom. (QA)

(3) Install washers (185), packings (5, 145 and 184), ejector (159) and attaching parts. Tighten nut assembly (144) handtight. Seal support (189, 193 and 197) bolt threads per WP013 00. (QA)



INDEX NO.	PART NO.	QTY
5	MS29513-222	1
145	MS29513-330	1
159	EJECTOR	
	NAS674V1 (AP)	2
	AN960JD416L (AP)	2
189	SUPPORT	
	NAS674V1 (AP)	2
	AN960JD416L (AP)	2
184	M25988-1-312	7
193	SUPPORT	
	NAS674V1 (AP)	2
	AN960JD416L (AP)	2
194	SUPPORT	
	NAS674V1 (AP)	3
	AN960JD416L (AP)	3

7. SEQUENCE 5.



a. On 161924 AND UP, do substeps below:

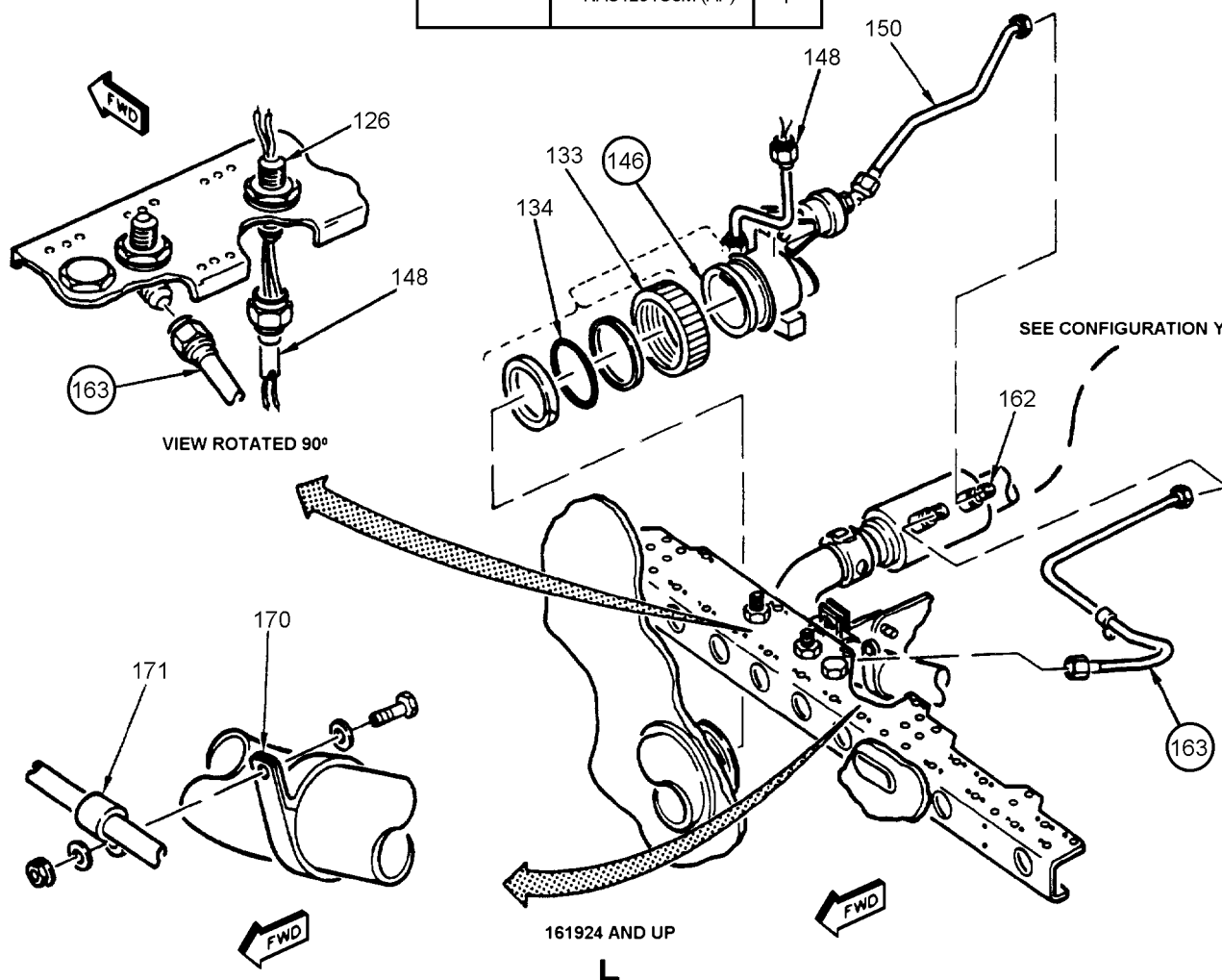
(1) Prepare mating surfaces of valve (146), nut assembly (133), tube (150) and elbow (162) for electrical bond (A1-F18AC-LMM-000).

(2) Route wires through nipple (126) and install packing (134), valve (146) and related parts. Tighten nut assembly (133) handtight.

(3) Connect tubes (148 and 150) and install tube (163). Torque tube (148) to 60 inch-pounds. (QA)

(4) Connect clamps (170 and 171) with attaching parts.

INDEX NO.	PART NO.	QTY
134	MS29513-334	1
171	CLAMP	
	NAS673V3 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	1



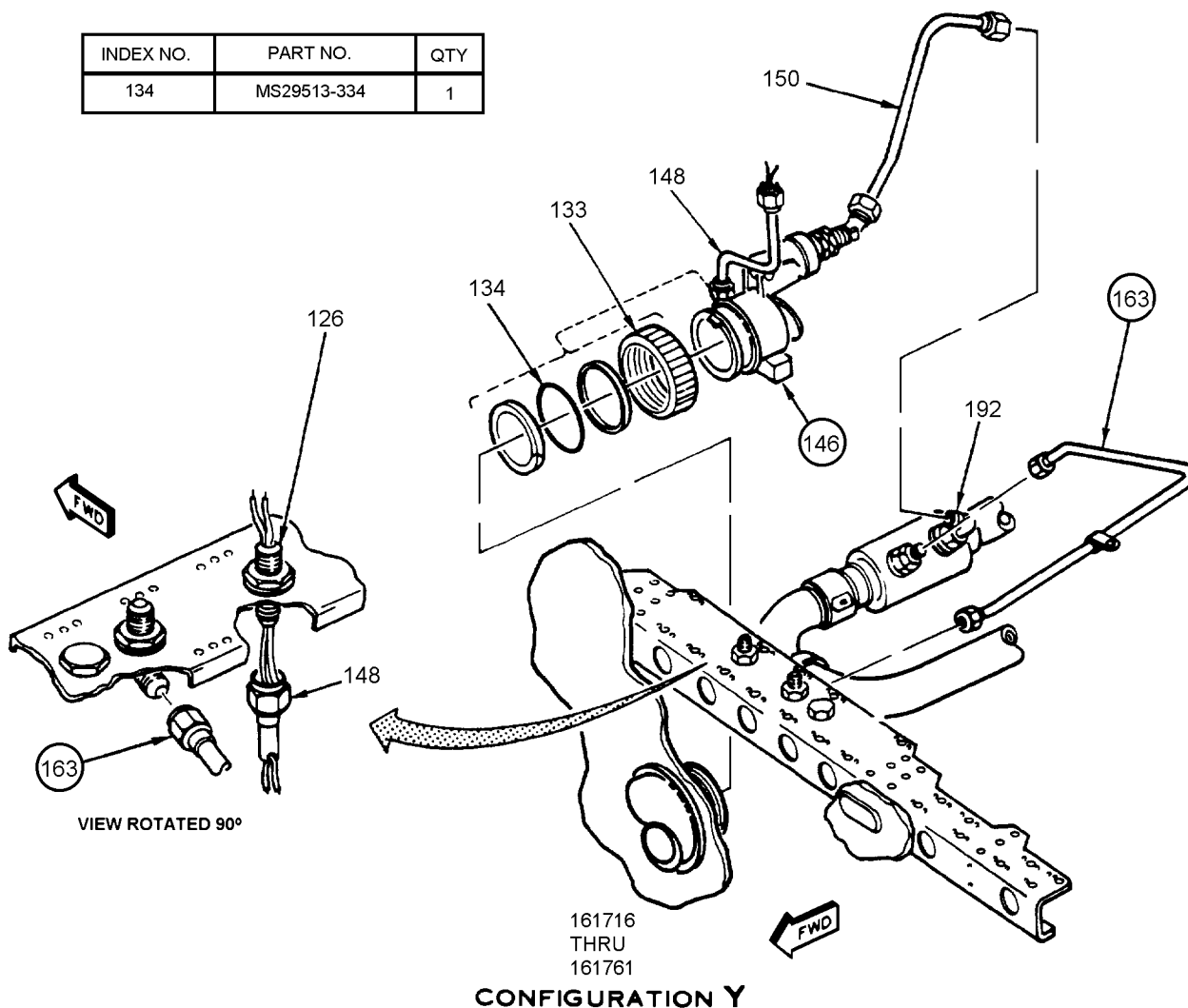
b. On 161716 THRU 161761, do substeps below:

(1) Prepare mating surfaces of valve (146), nut assembly (133), tube (150), conduit (148) and nipple (126) for electrical bond (A1-F18AC-LMM-000).

(2) Route wires through nipple (126) and install packing (134), valve (146) and related parts. Tighten nut assembly (133) handtight.

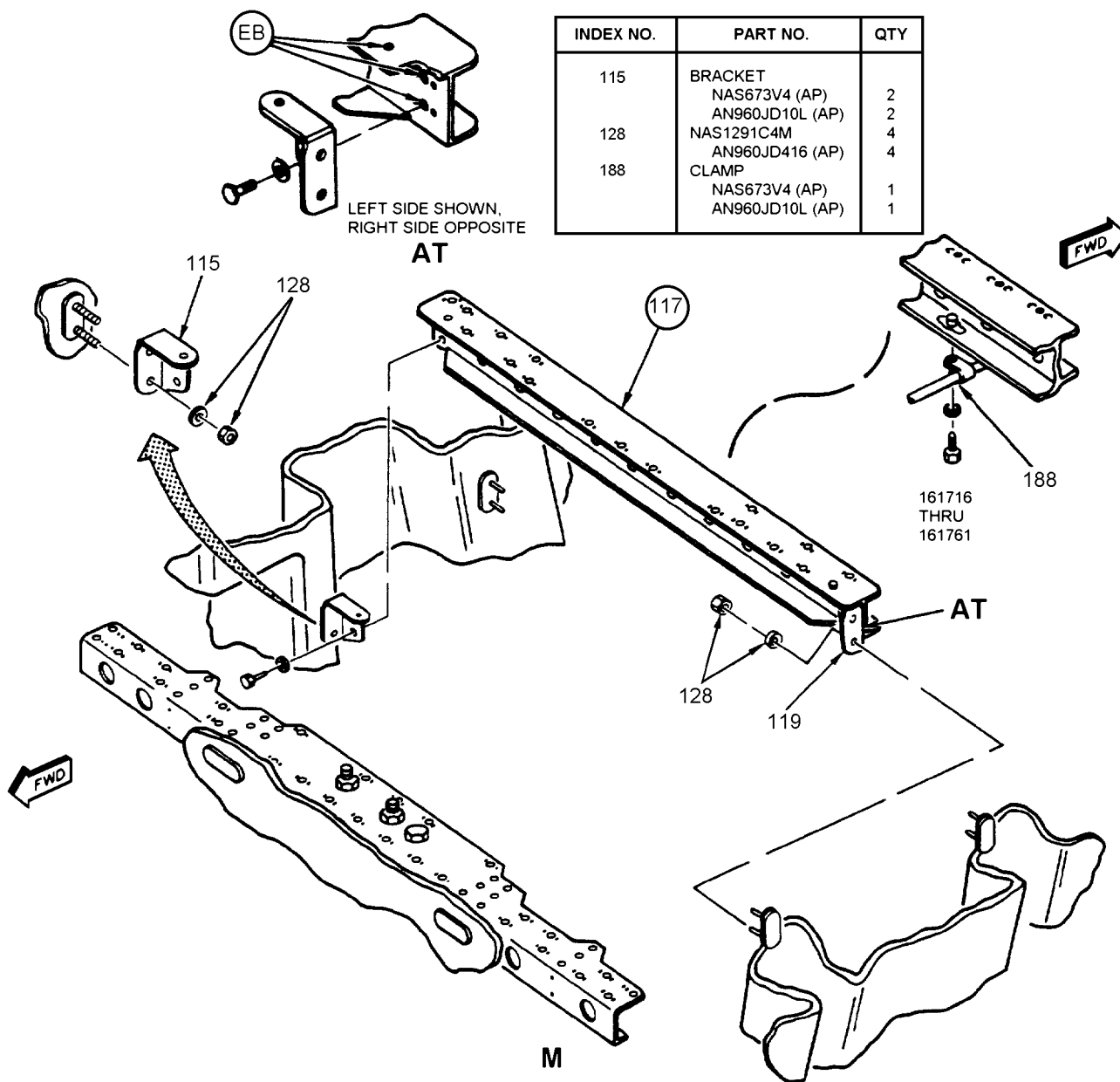
(3) Connect tubes (148 and 150) and install tube (163). Torque tube (148) 75 to 140 inch-pounds. (QA)

INDEX NO.	PART NO.	QTY
134	MS29513-334	1

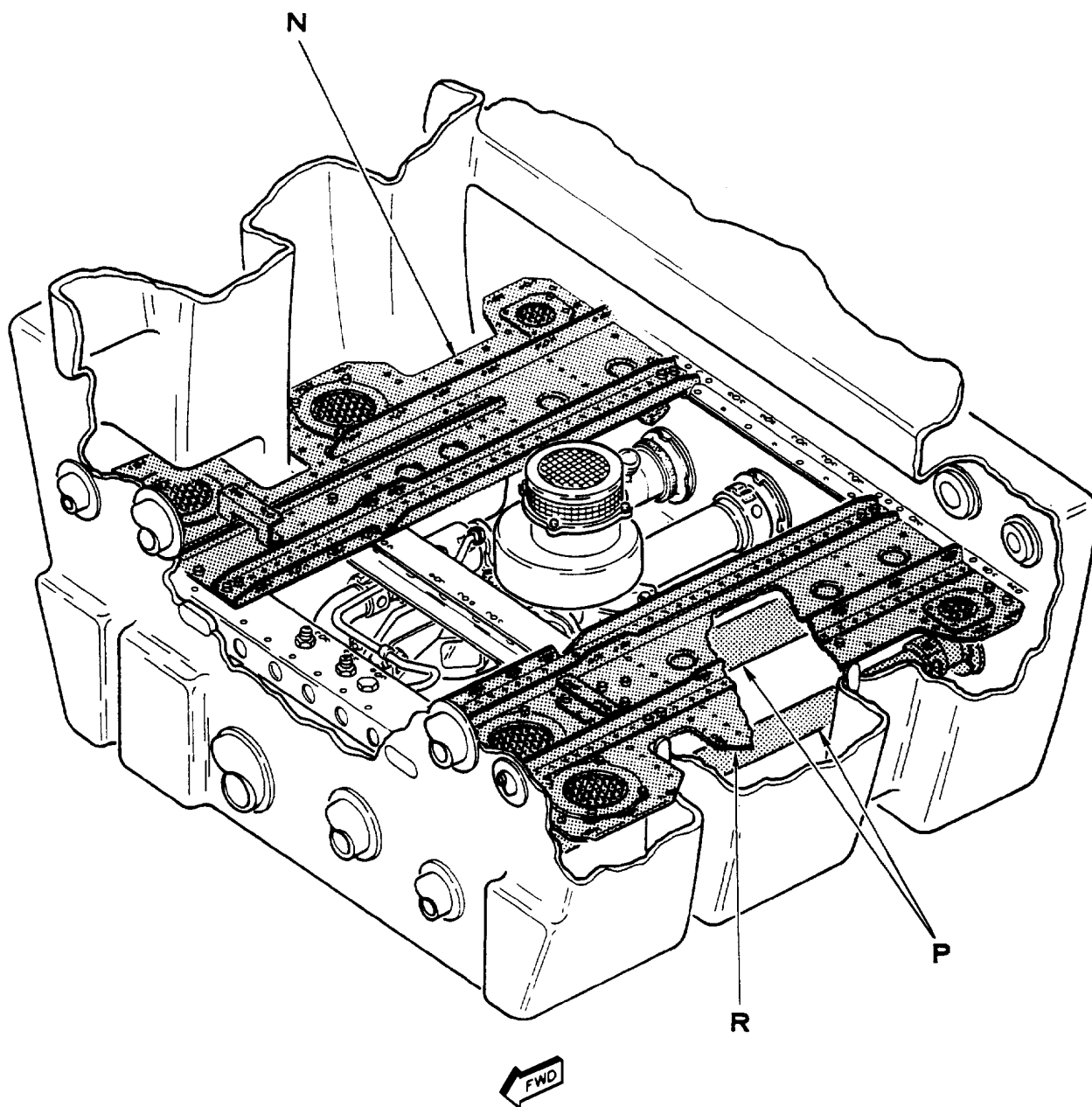


c. Position channel (117) and bracket (119), then install bracket (115), nuts (128) and washers, and attaching parts. Torque nuts (128) 50 to 60 inch-pounds. (QA)

d. On 161716 THRU 161761, connect clamp (188) with attaching parts.



8. SEQUENCE 6.

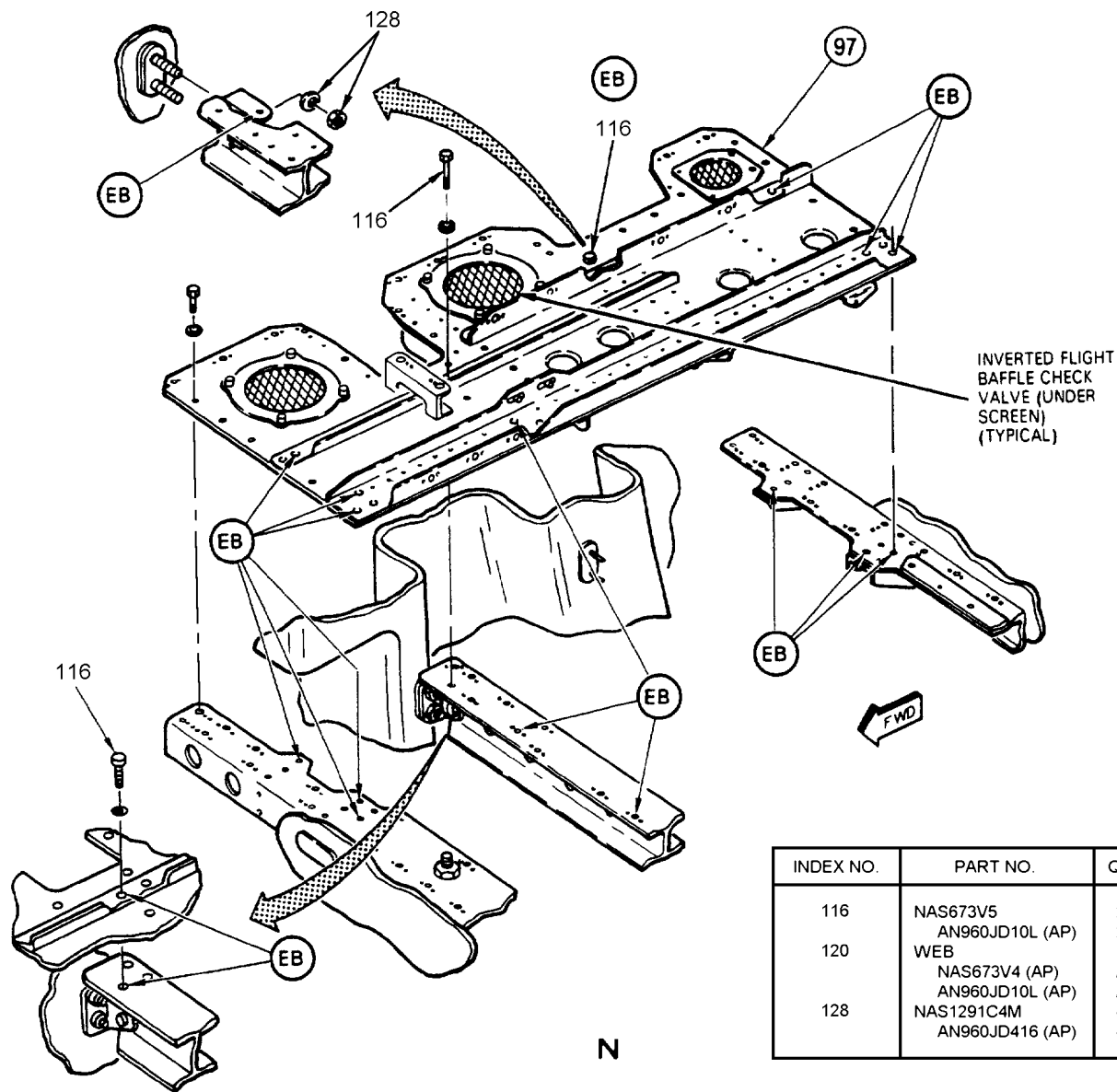




Install web carefully to avoid damaging tank or components.

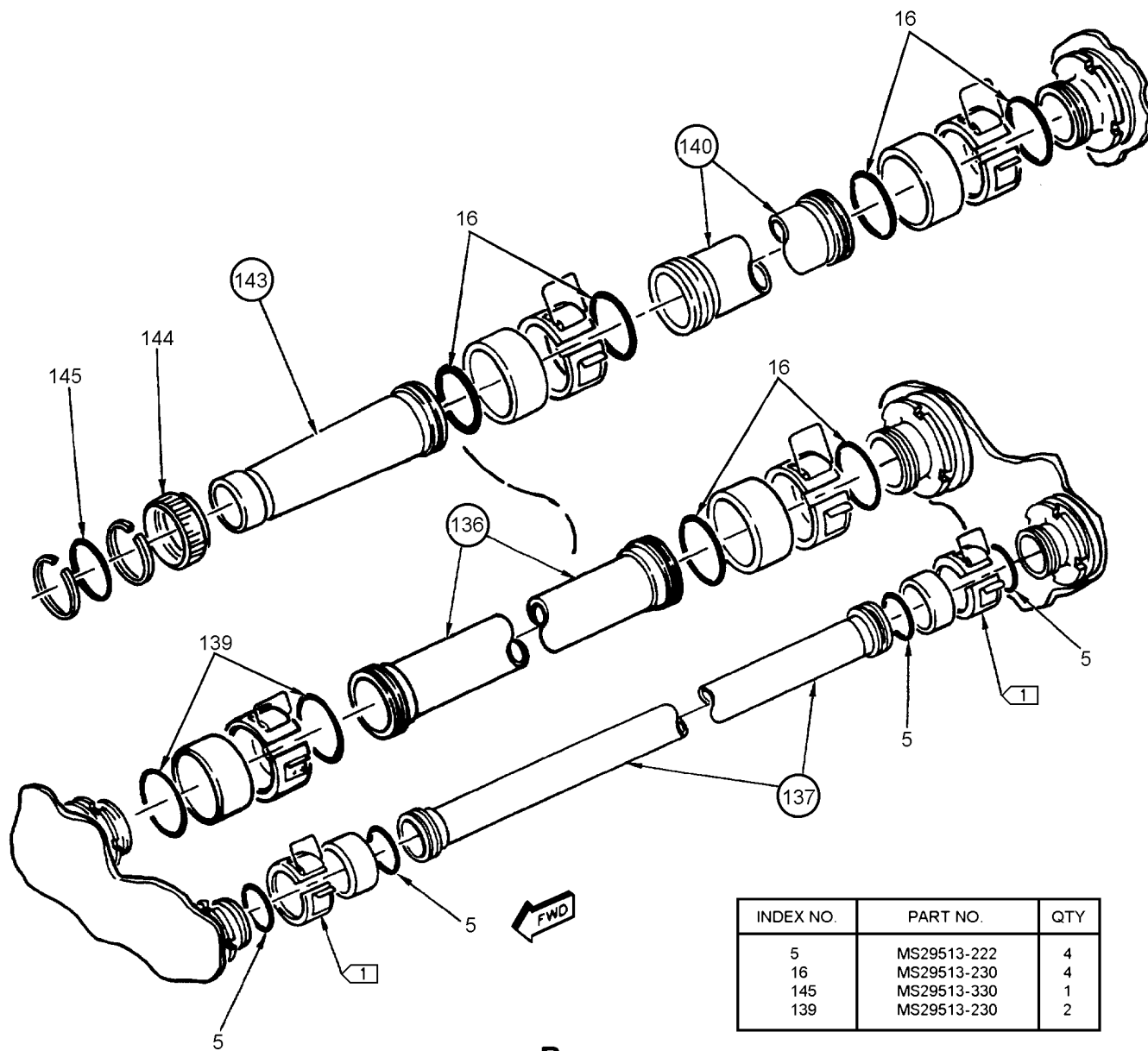
Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

- a. Position web (120) and install bolts (128), nuts (128) and washers, and attaching parts.



INDEX NO.	PART NO.	QTY
116	NAS673V5	2
	AN960JD10L (AP)	2
120	WEB	
	NAS673V4 (AP)	AR
	AN960JD10L (AP)	AR
128	NAS1291C4M	4
	AN960JD416 (AP)	4

b. Install applicable packings (5, 16, 139 and 145). Install applicable tubes (136, 137, 140 and 143) and related parts. Tighten nut assembly (144) hand-tight.



INDEX NO.	PART NO.	QTY
5	MS29513-222	4
16	MS29513-230	4
145	MS29513-330	1
139	MS29513-230	2

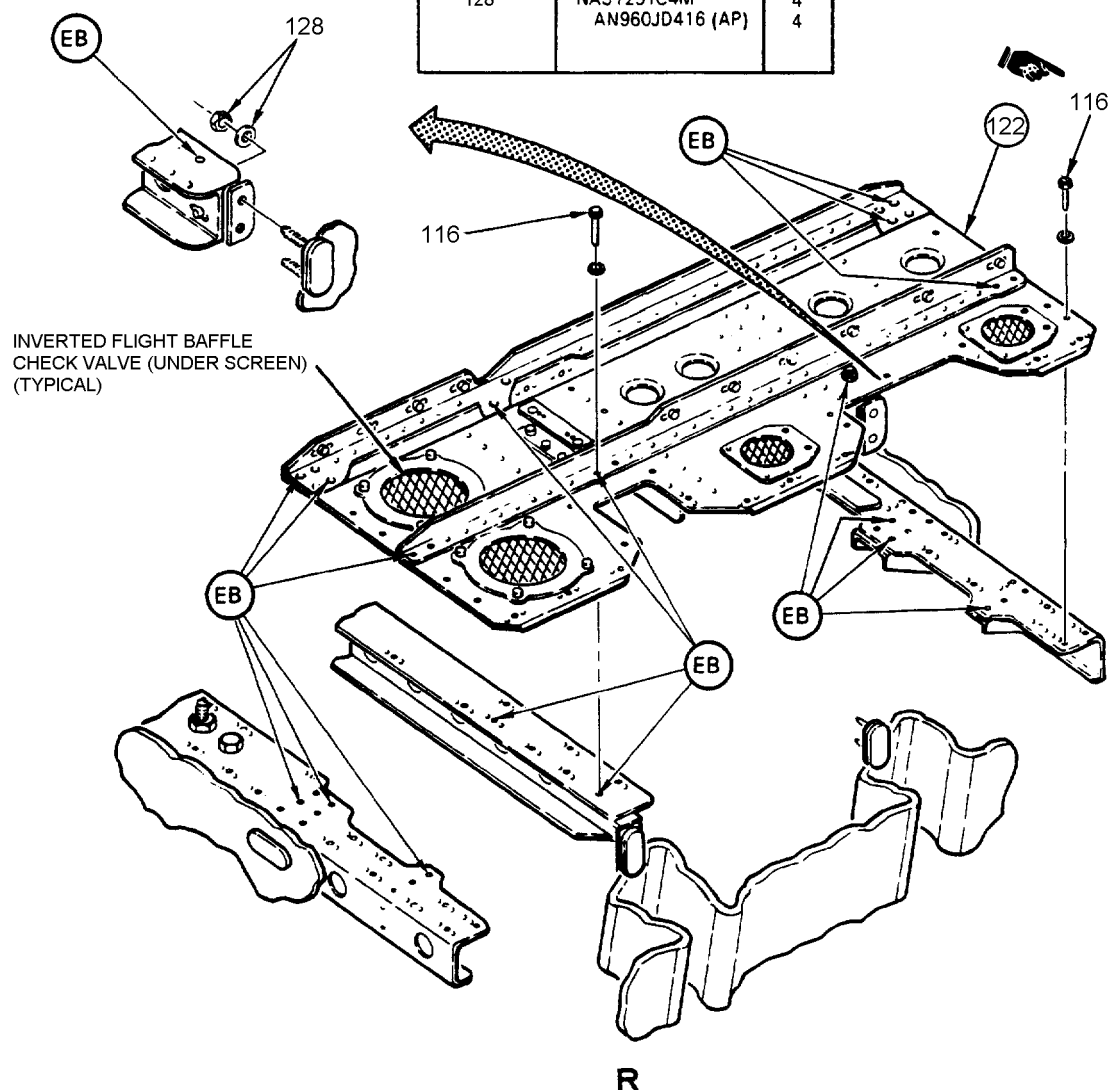


Install web carefully to avoid damaging tank or components.

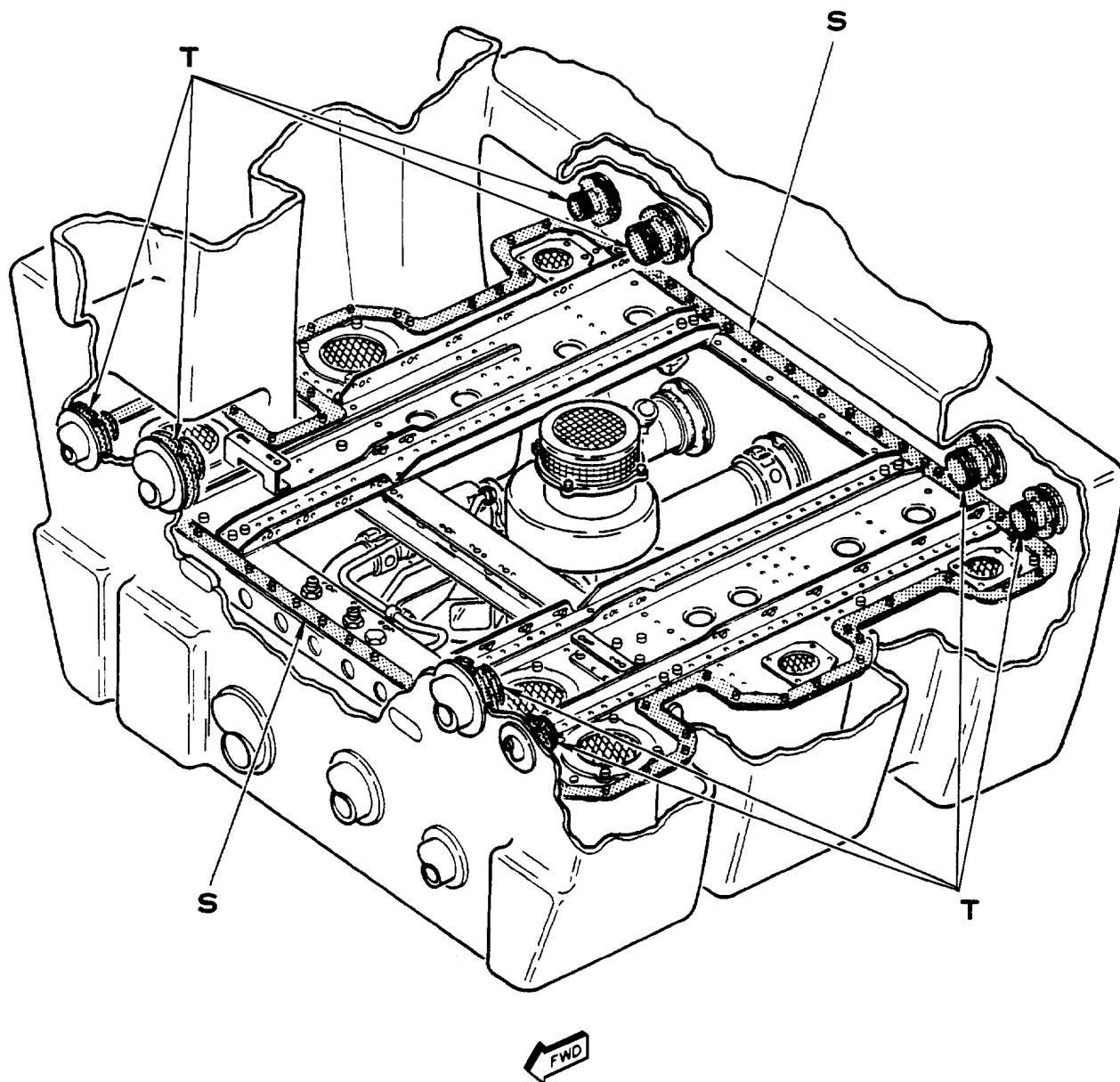
Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

c. Position web (122) and install bolt (116), nuts (128) and washers, and attaching parts.

INDEX NO.	PART NO.	QTY
116	NAS673V5	2
	AN960JD10L (AP)	2
122	WEB	
	NAS673V4 (AP)	AR
	AN960JD10L (AP)	AR
128	NAS1291C4M	4
	AN960JD416 (AP)	4

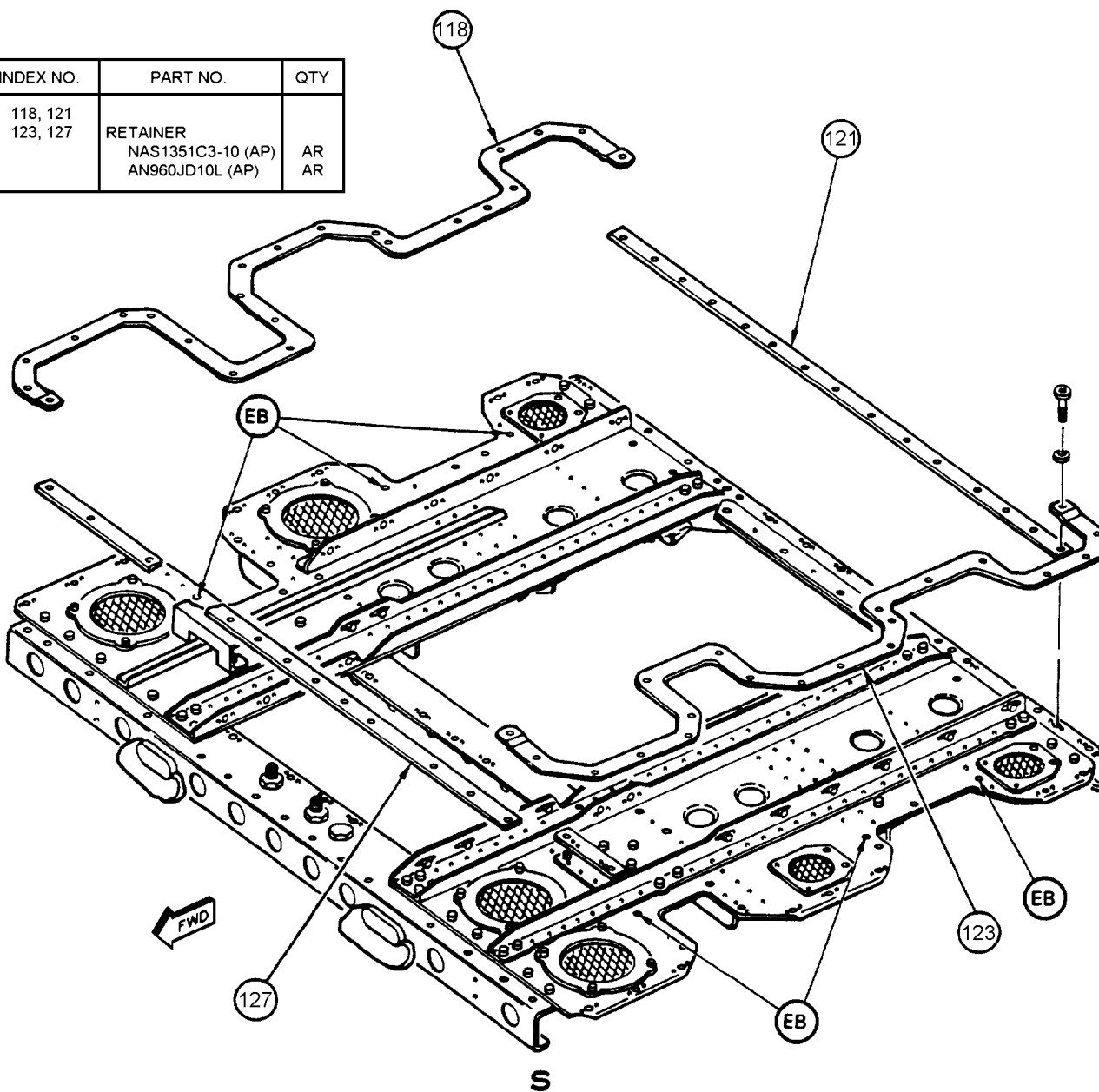


9. SEQUENCE 7.



a. Install retainers (118, 121, 123 and 127) and attaching parts.

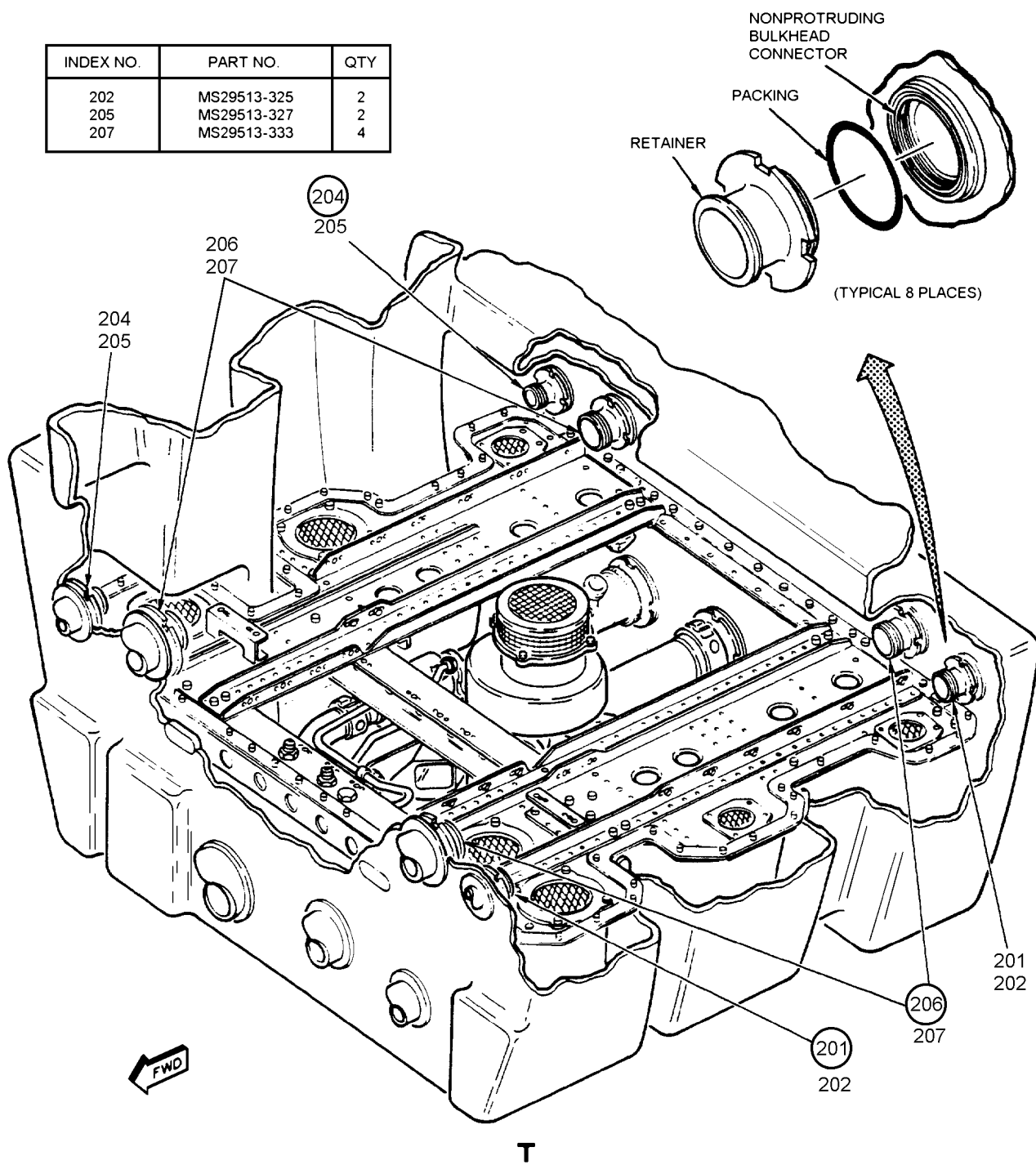
INDEX NO.	PART NO.	QTY
118, 121 123, 127	RETAINER NAS1351C3-10 (AP) AN960JD10L (AP)	AR AR



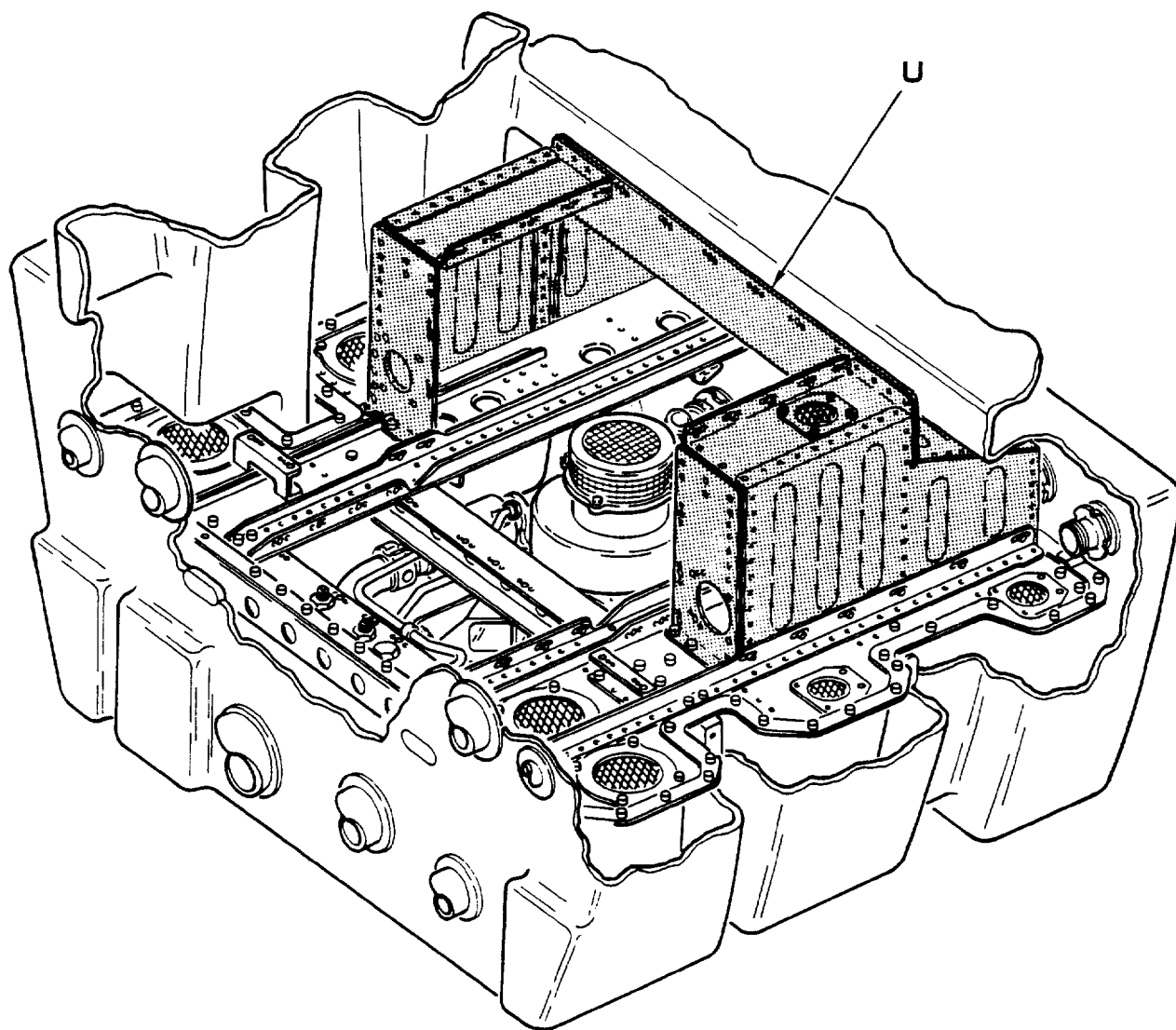
b. On left side prepare mating surfaces of bulk-head connector and retainers (206) for electrical bond (A1-F18AC-LMM-000).

c. Install packings (202, 205 and 207) and retainers (201, 204 and 206) and verify running torque and final torque (WP013 00). (QA)

INDEX NO.	PART NO.	QTY
202	MS29513-325	2
205	MS29513-327	2
207	MS29513-333	4



10. SEQUENCE 8.

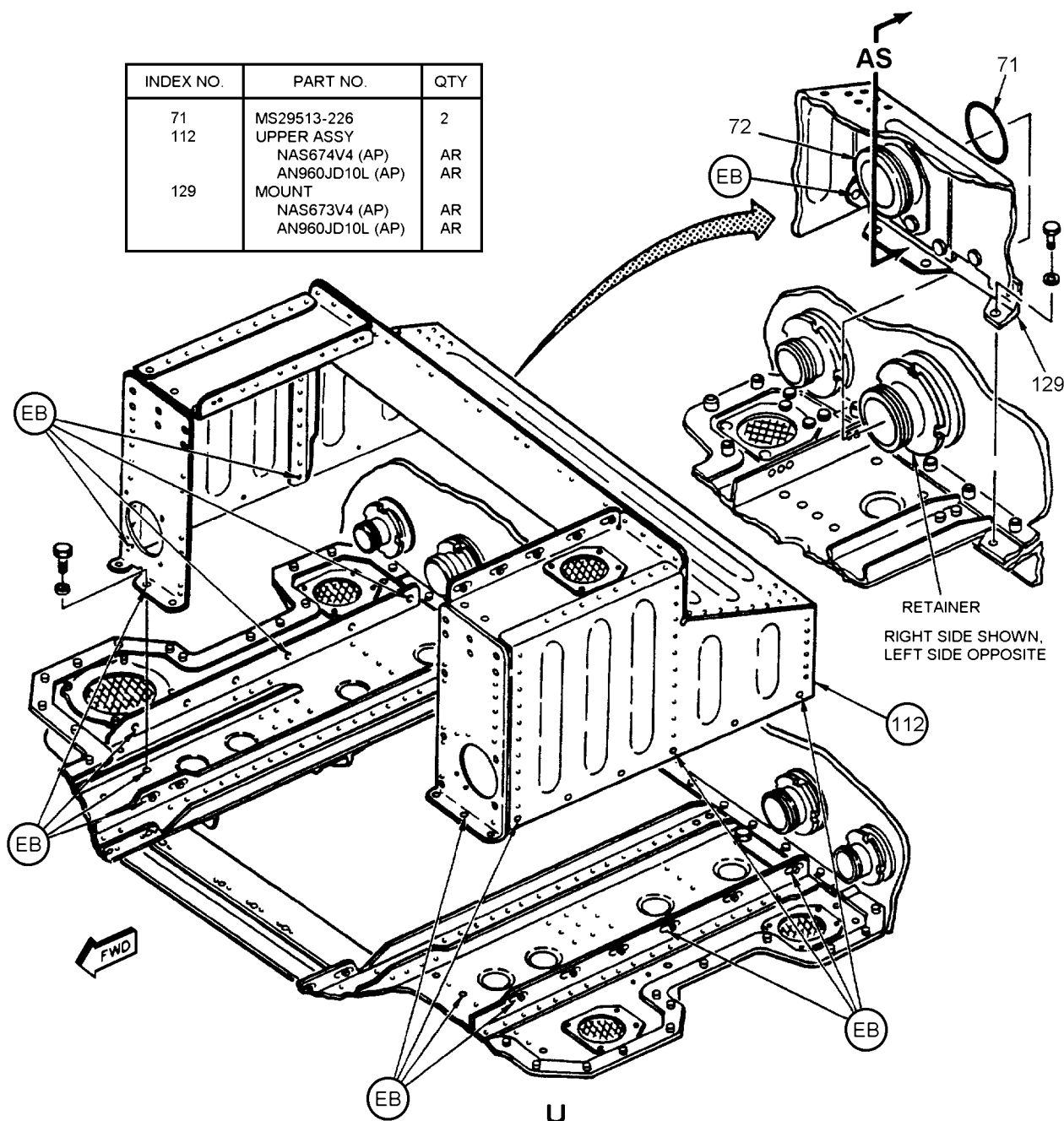


a. On left side, prepare mating surfaces of connector (72) and retainer for electrical bond (A1-F18AC-LMM-000).

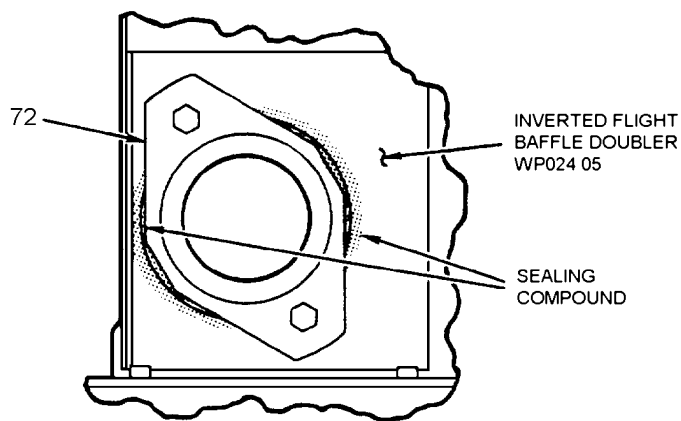
b. Install packings (71) and carefully position connectors (72) on retainers, then install upper panel assembly (112), mount (129) and attaching parts.

c. On 161716 THRU 162444, inspect sealant per detail AS.

INDEX NO.	PART NO.	QTY
71	MS29513-226	2
112	UPPER ASSY NAS674V4 (AP) AN960JD10L (AP)	AR AR
129	MOUNT NAS673V4 (AP) AN960JD10L (AP)	AR AR



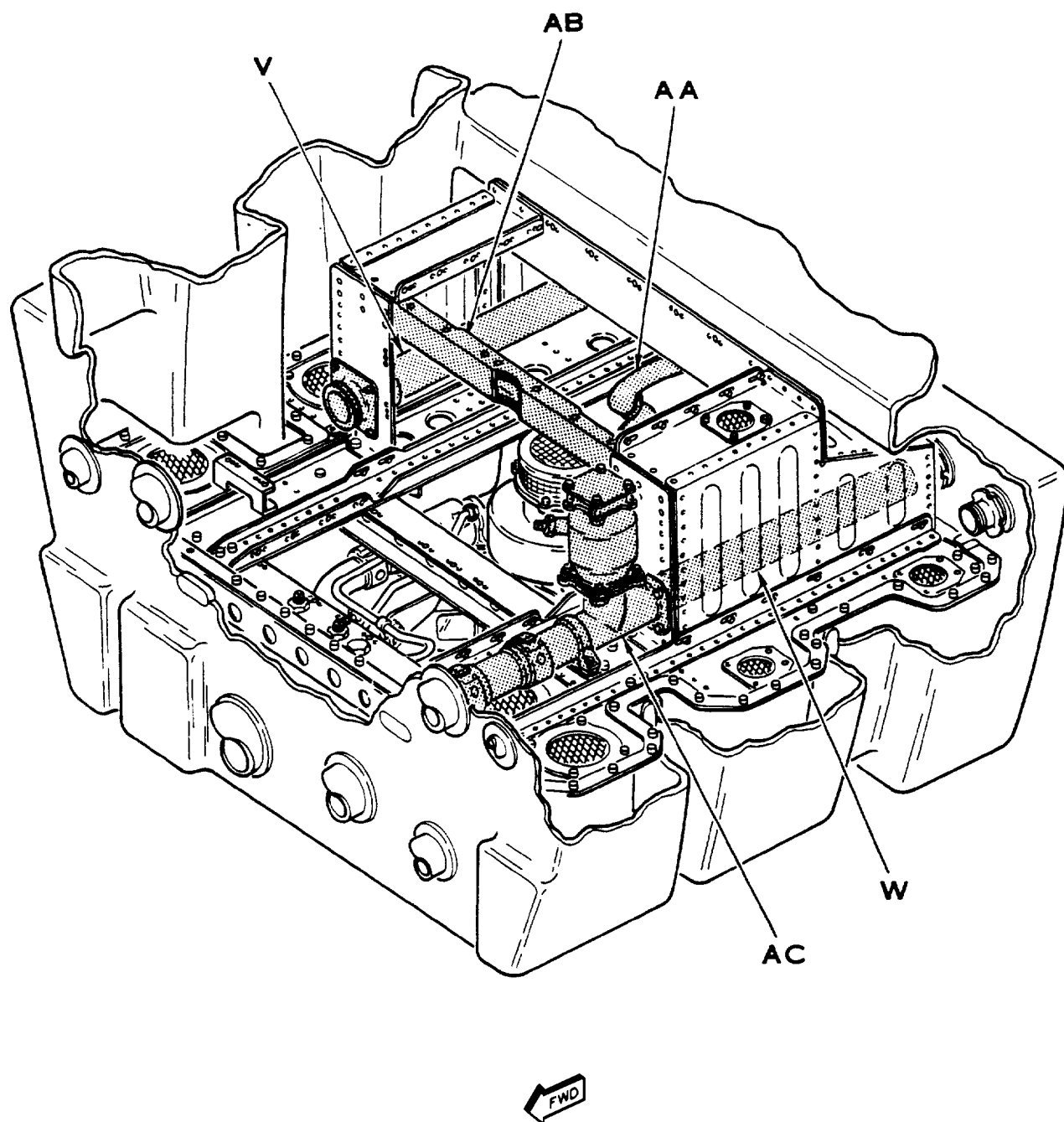
d. On 161716 THRU 162444 replace missing, separated or cracked sealant at gap between inverted flight baffle and connector (72) per A1-F18AC-SRM-200, (WP013 00).



TYPICAL 2 PLACES

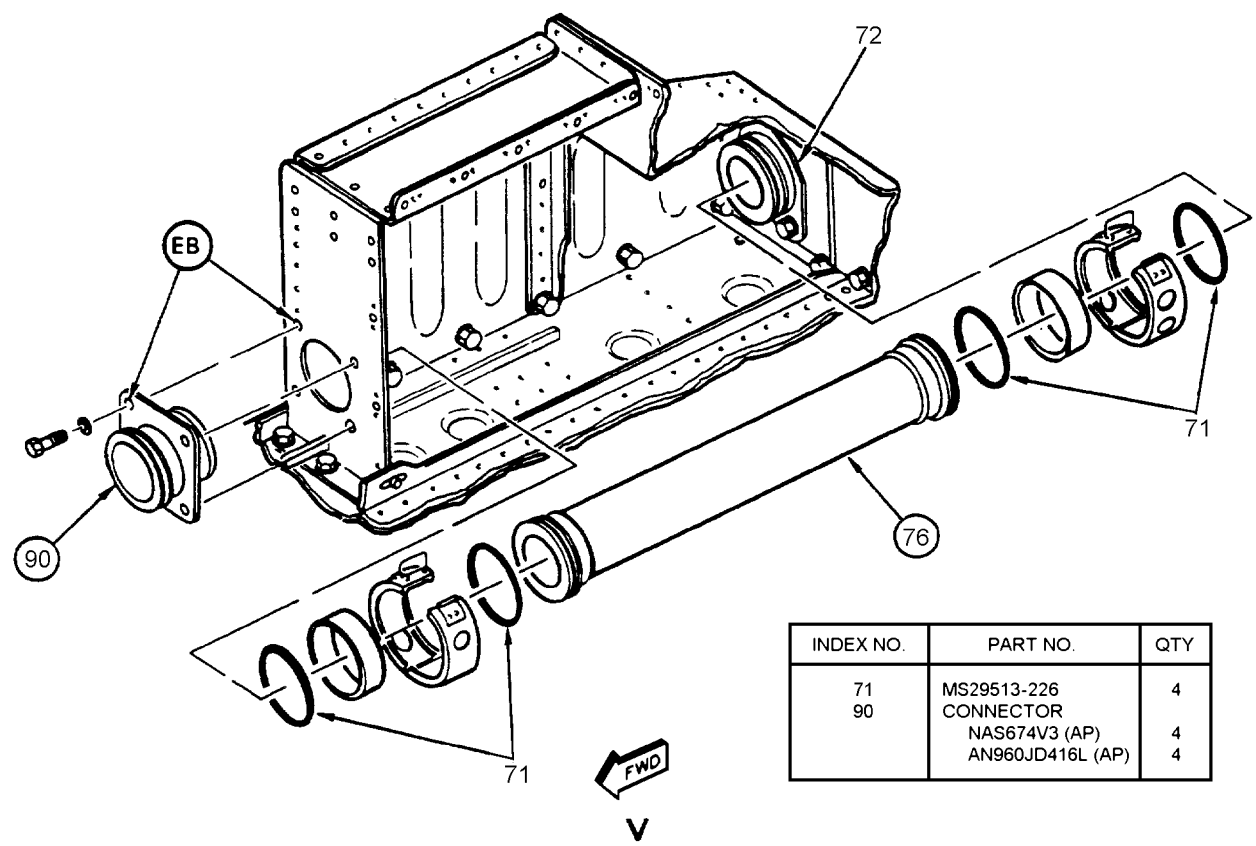
AS

11. SEQUENCE 9.



- a. Prepare mating surfaces of right side tube (76, detail V) and connector (72) for electrical bond (A1-F18AC-LMM-000).

b. Prepare both sides of connector (90) for electrical bond (A1-F18AC-LMM-000) and install connector and attaching parts.
- c. Install packings (71), tube (76) and related parts.

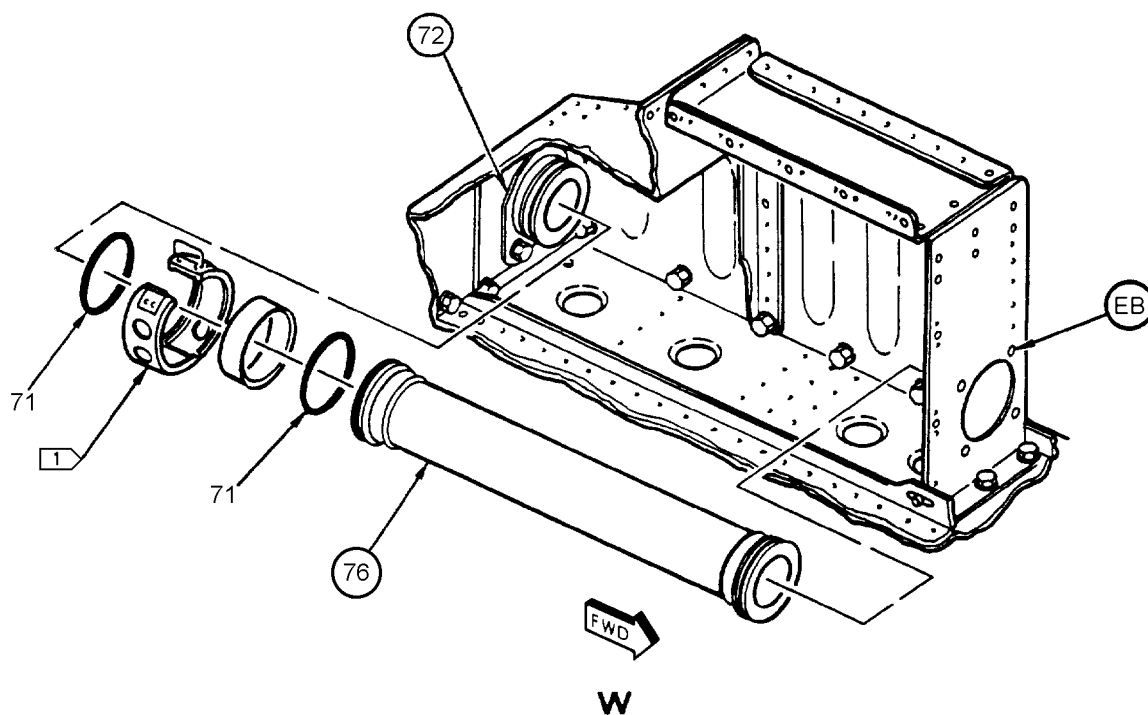


INDEX NO.	PART NO.	QTY
71	MS29513-226	4
90	CONNECTOR	
	NAS674V3 (AP)	4
	AN960JD416L (AP)	4

d. Prepare mating surfaces of left side tube (76, detail W) and connector (72) for electrical bond (A1-F18AC-LMM-000).

e. Install packings (71), tube (76) and related parts.

INDEX NO.	PART NO.	QTY
71	MS29513-226	2

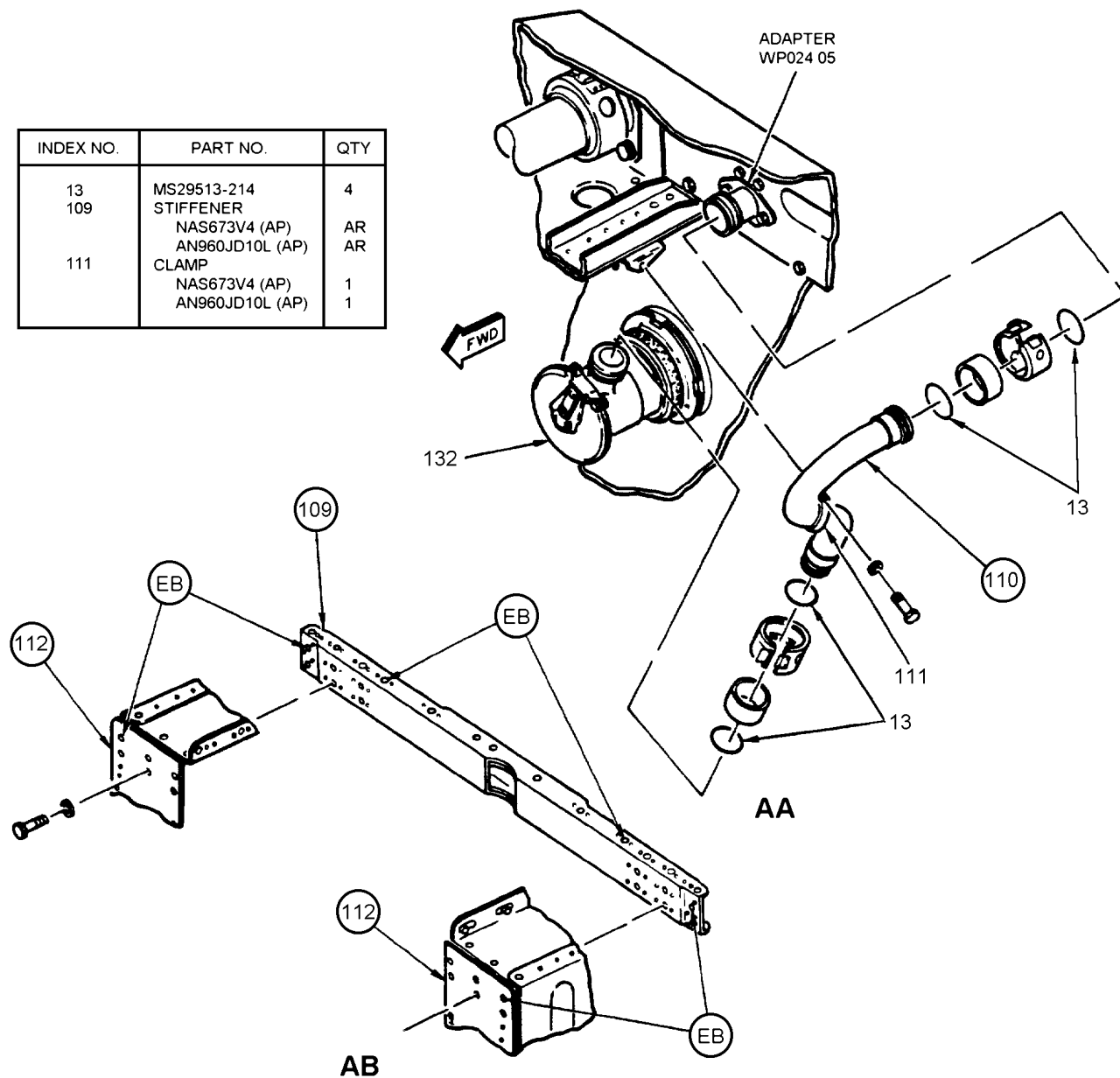


f. Prepare mating surfaces of tube (110), valve (132) and adapter for electrical bond (A1-F18AC-LMM-000).

g. Install packings (13), tube (110), clamp (111) and related parts.

h. Install stiffener (109) and attaching parts.

INDEX NO.	PART NO.	QTY
13	MS29513-214	4
109	STIFFENER	
	NAS673V4 (AP)	AR
	AN960JD10L (AP)	AR
111	CLAMP	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	1

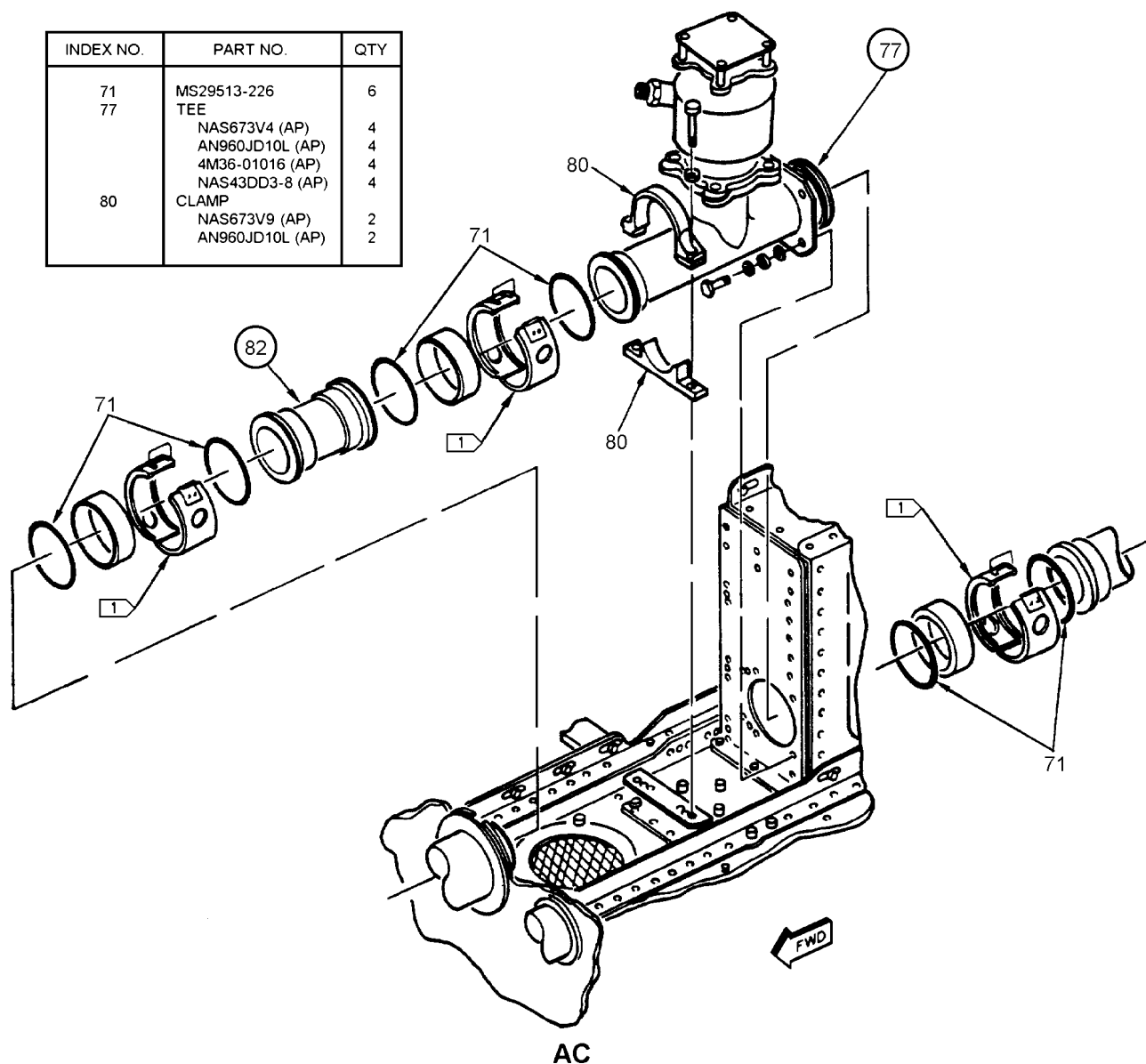


i. Prepare mating surfaces of baffle, tee (77), tube (82) and clamp (80), and attaching parts for electrical bond (A1-F18AC-LMM-000).

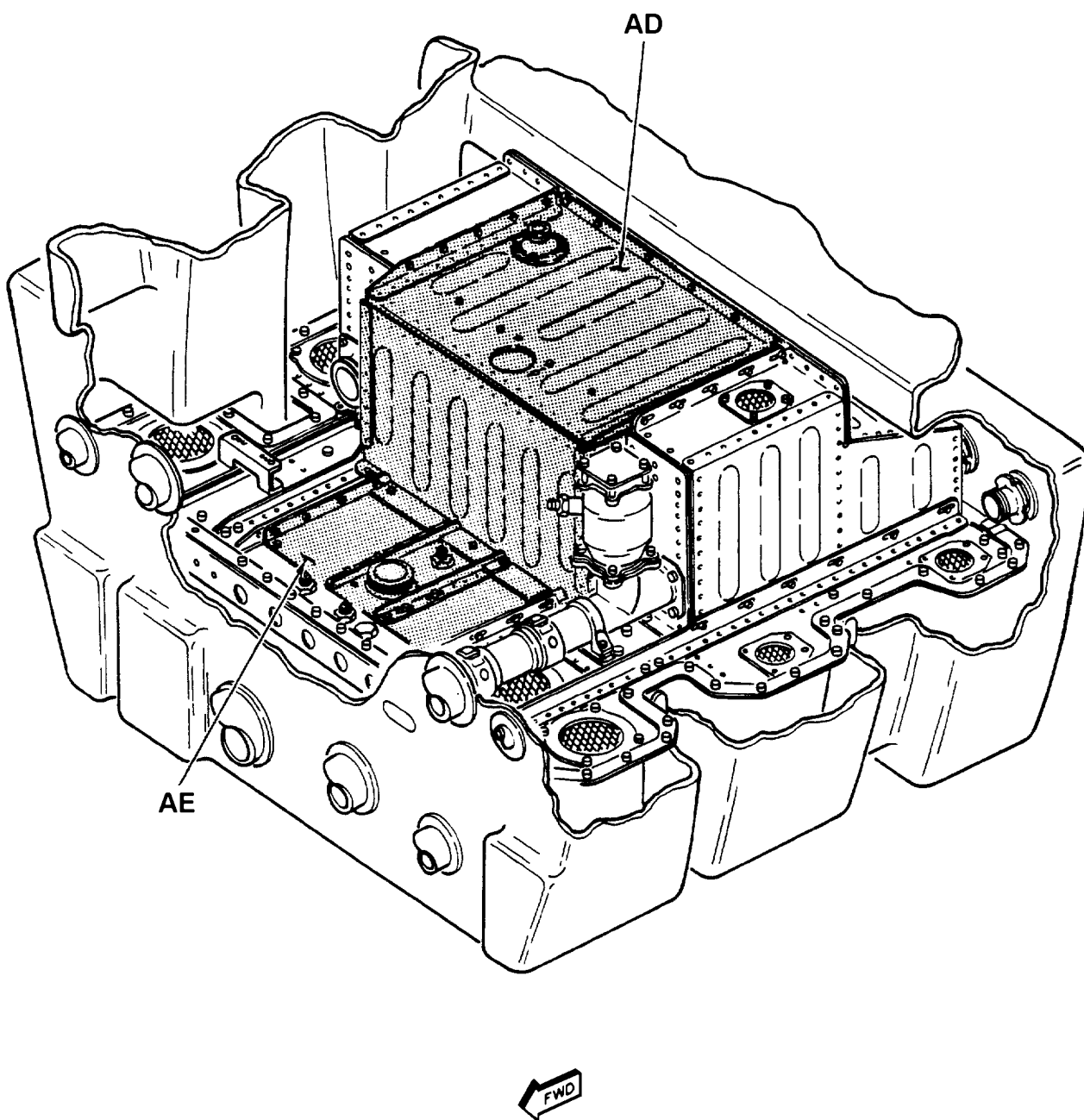
k. Install packings (71), tube (82) and related parts.

j. Install tee (77), clamp (80) and attaching parts.

INDEX NO.	PART NO.	QTY
71	MS29513-226	6
77	TEE	
	NAS673V4 (AP)	4
	AN960JD10L (AP)	4
	4M36-01016 (AP)	4
	NAS43DD3-8 (AP)	4
80	CLAMP	
	NAS673V9 (AP)	2
	AN960JD10L (AP)	2

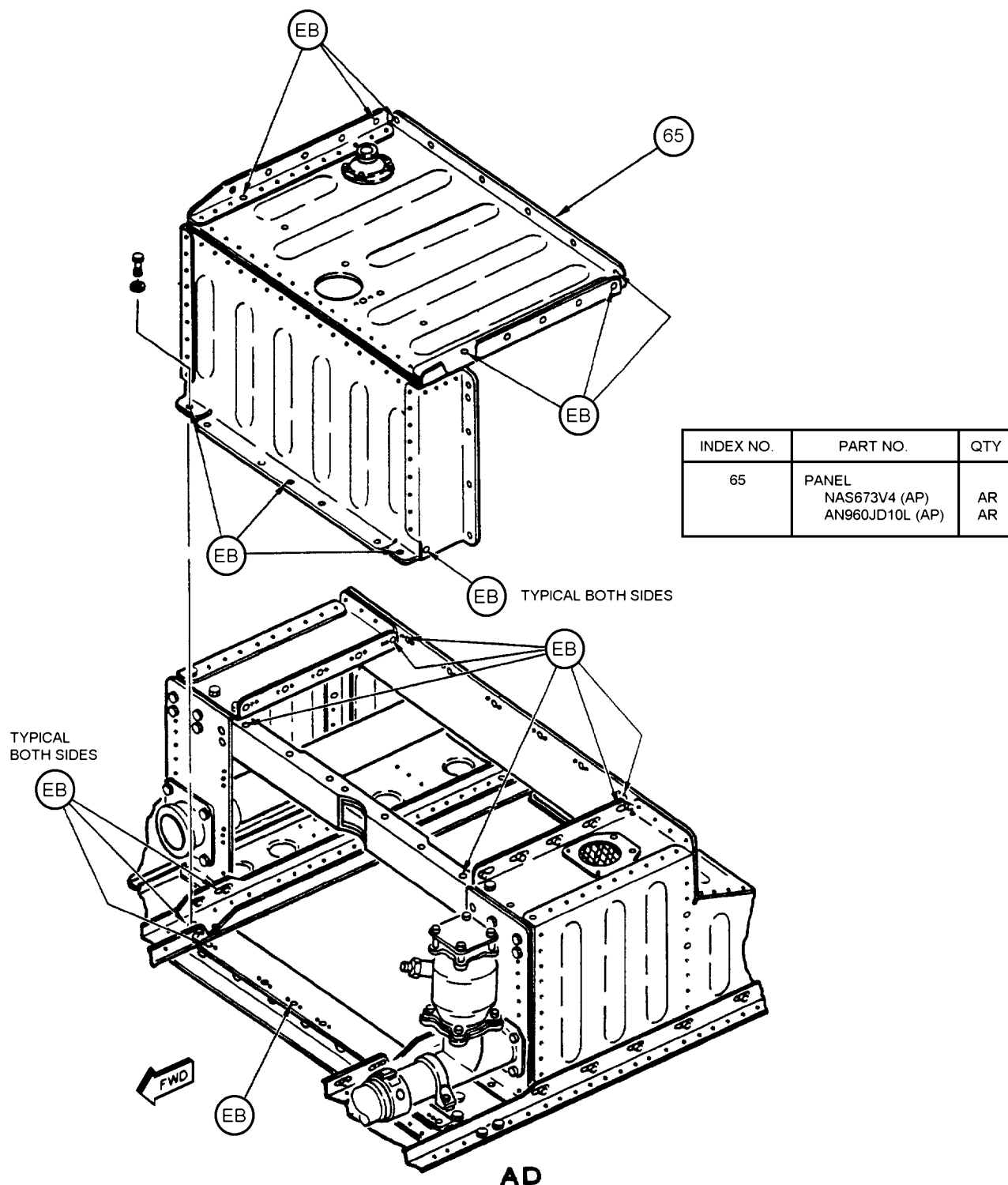


12. SEQUENCE 10.



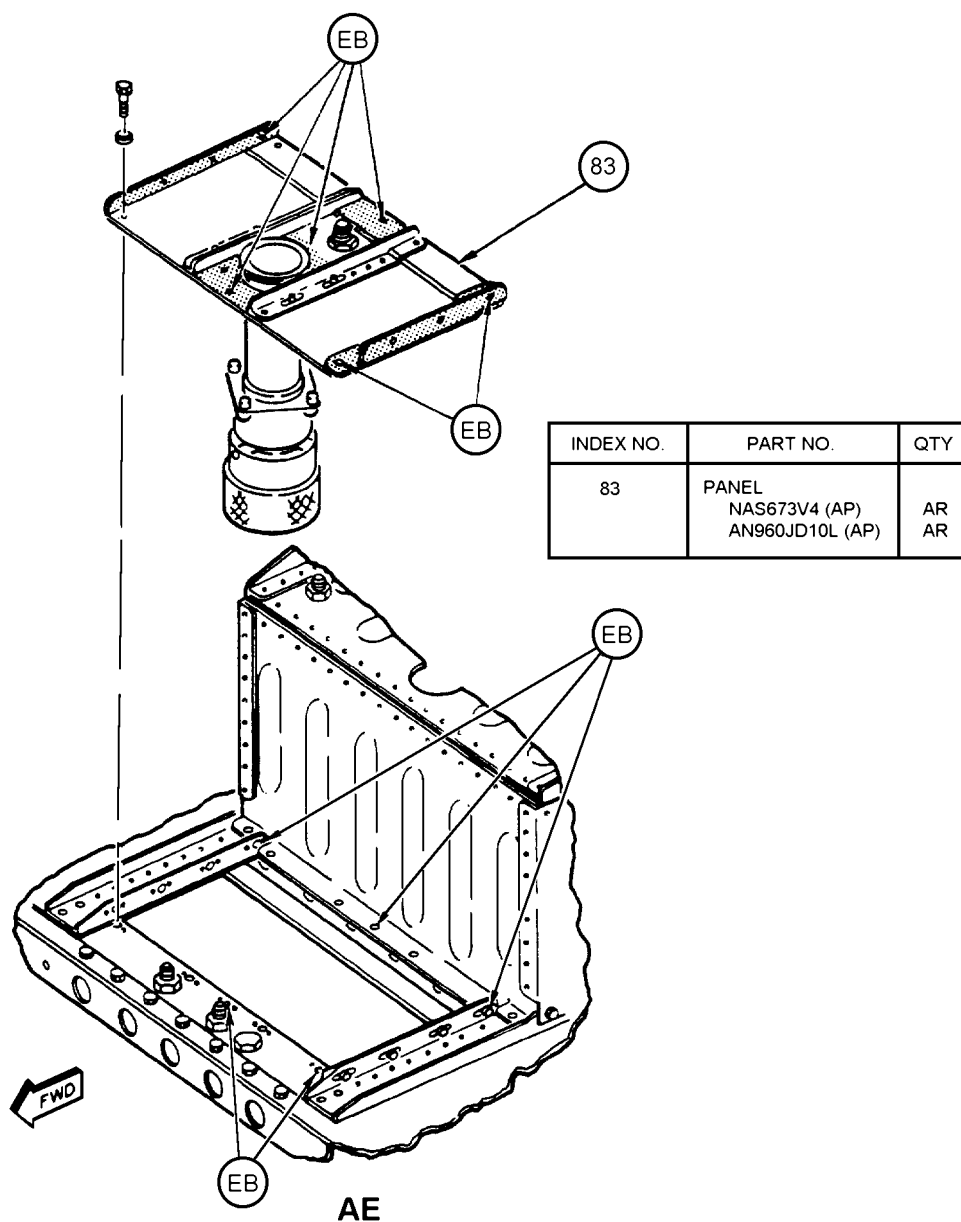
a. Inspect for and remove any foreign objects below baffle. (QA)

b. Install panel (65) and attaching parts.

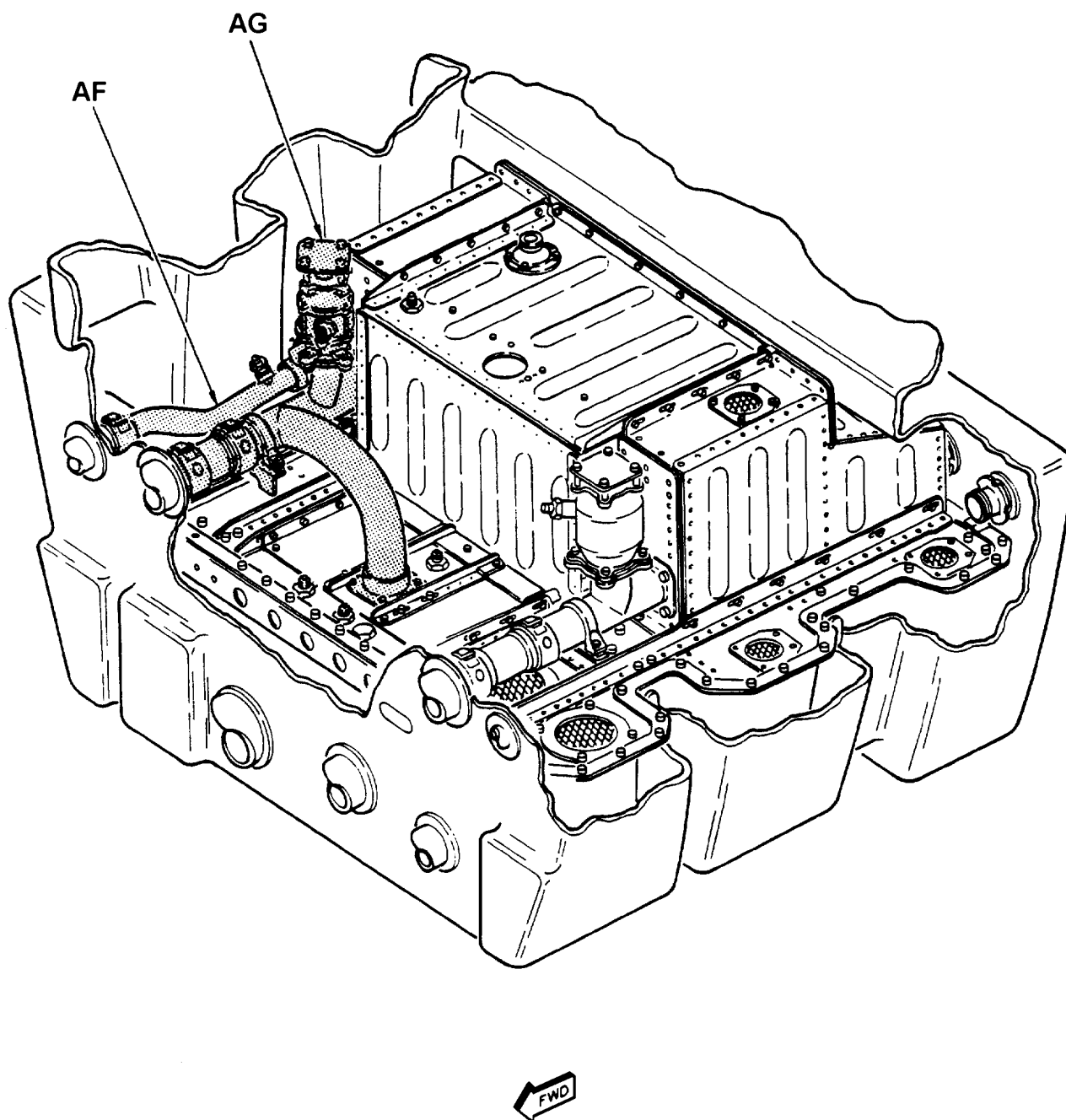


c. Inspect for and remove any foreign objects below baffle. (QA)

d. Carefully position panel (83) and install attaching parts.

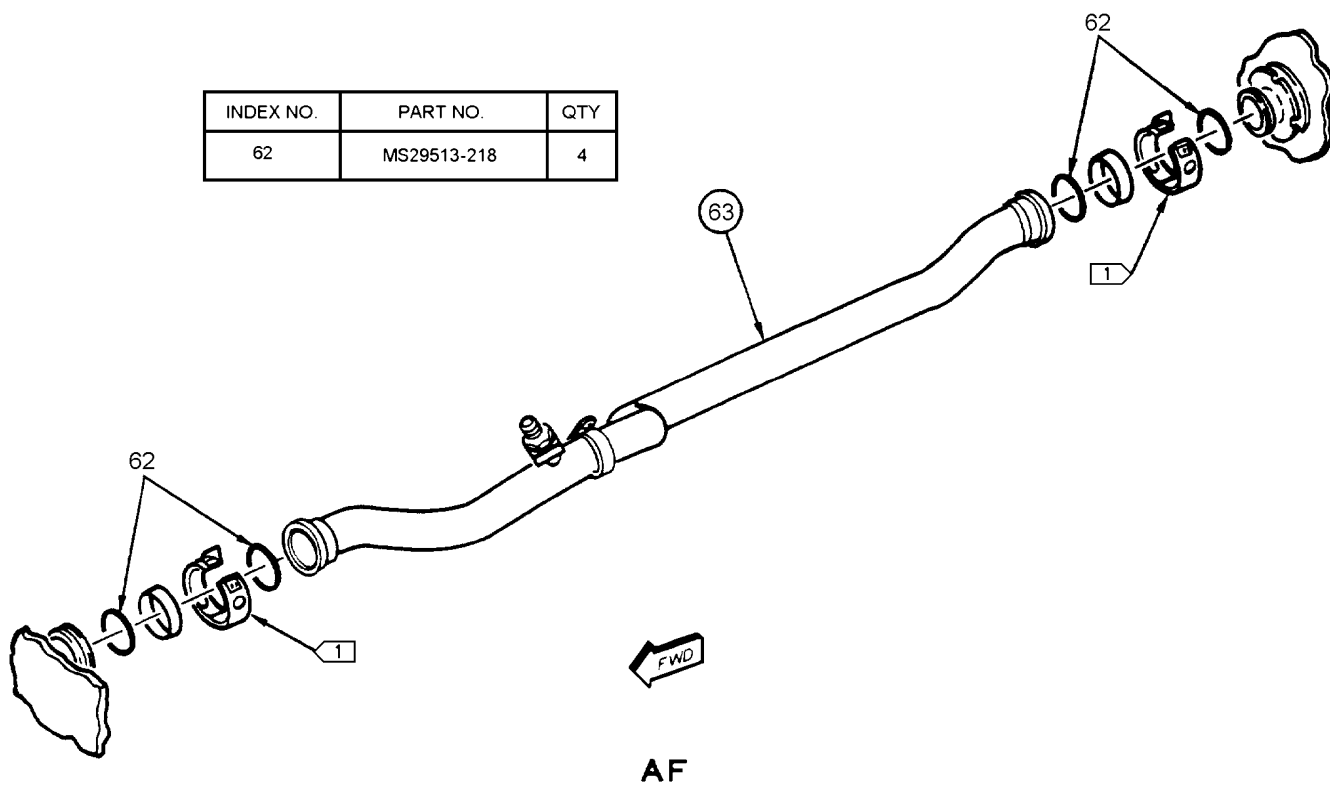


13. SEQUENCE 11.



a. Install packings (62), tube (63) and related parts.

INDEX NO.	PART NO.	QTY
62	MS29513-218	4

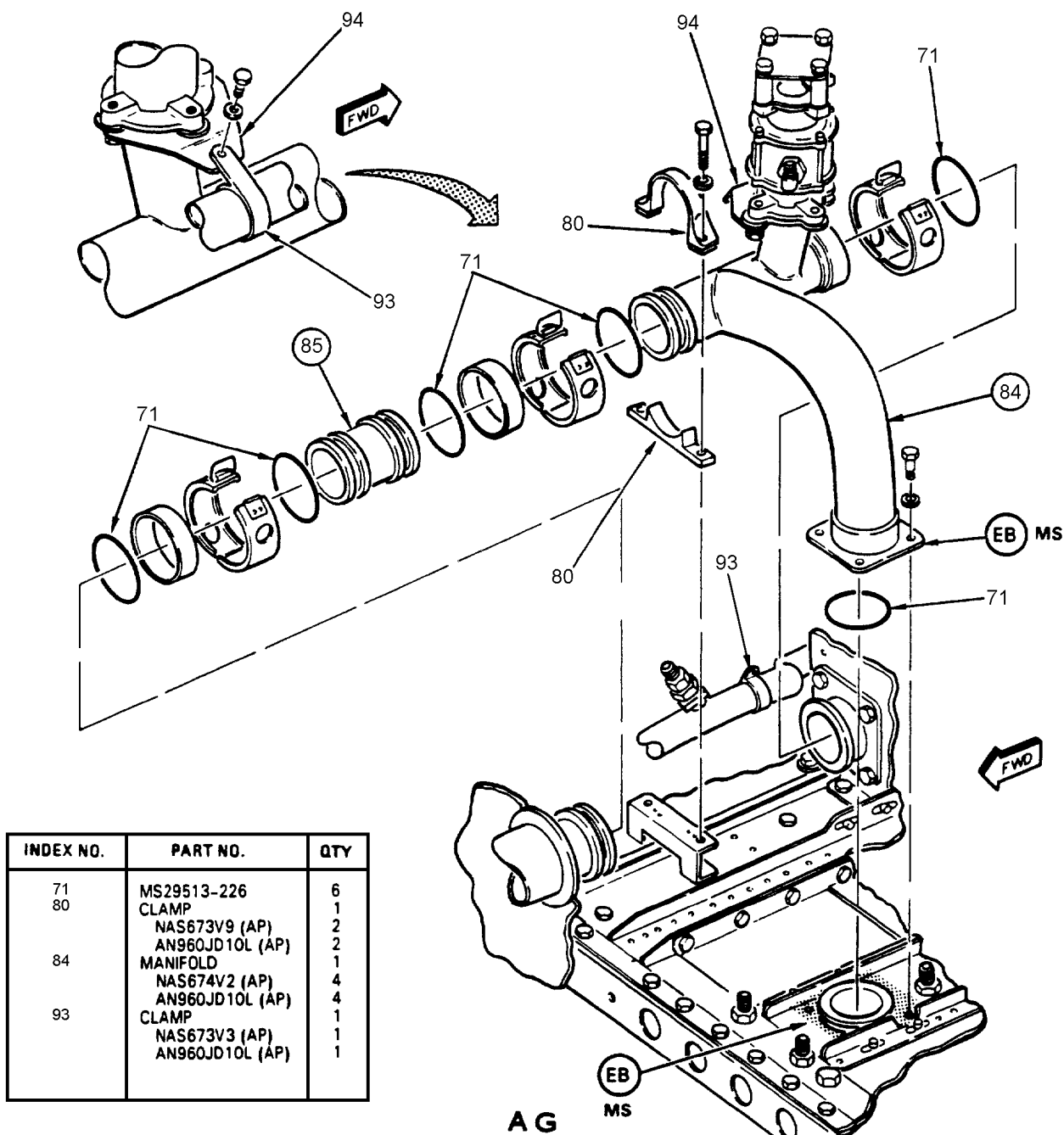


b. Prepare mating surfaces of baffle, manifold (84), clamp (80) and attaching parts for electrical bond (A1-F18AC-LMM-000).

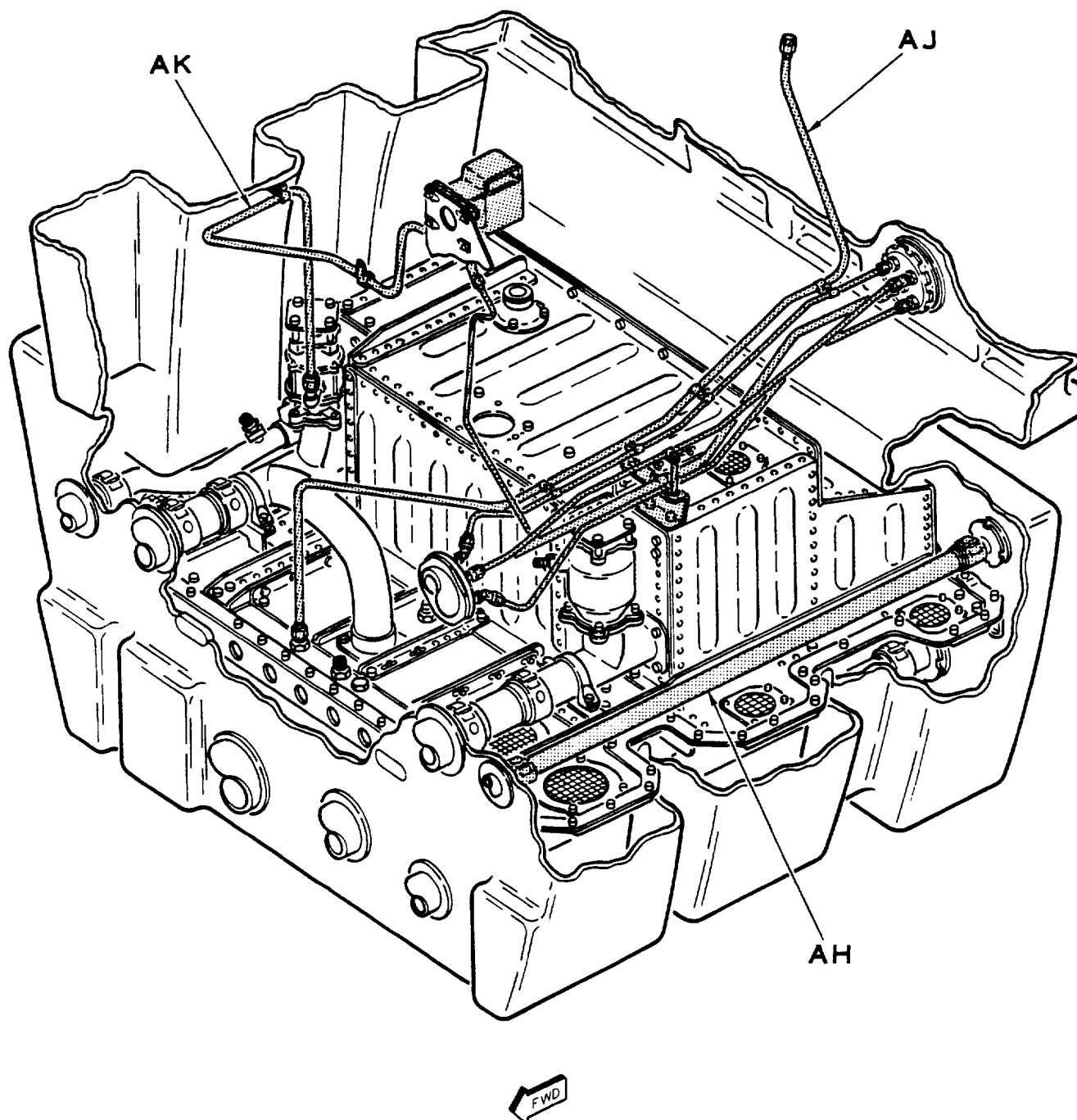
c. Install packings (71), then position manifold (84) and install related parts.

d. Install packings (71), tube (85) and related parts.

e. Connect clamp (93) to bracket (94).

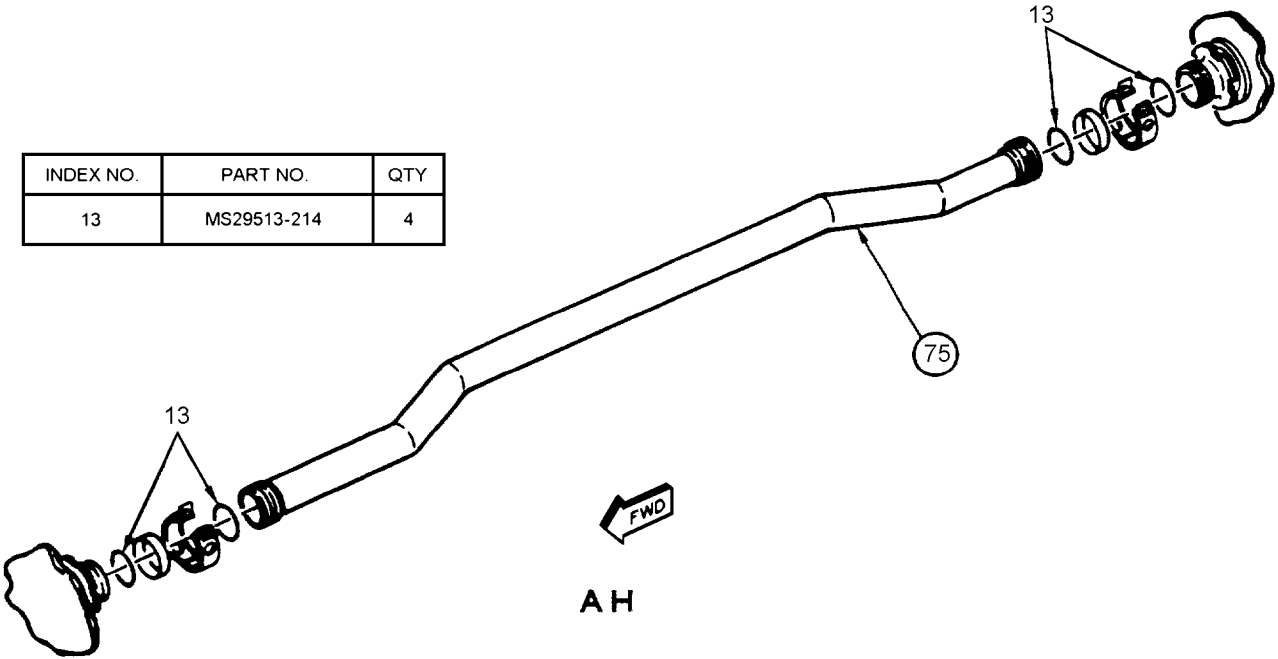


14. SEQUENCE 12.



a. Install packings (13), tube (75) and related parts.

INDEX NO.	PART NO.	QTY
13	MS29513-214	4





To prevent damage to wires, carefully slide wires through related components.

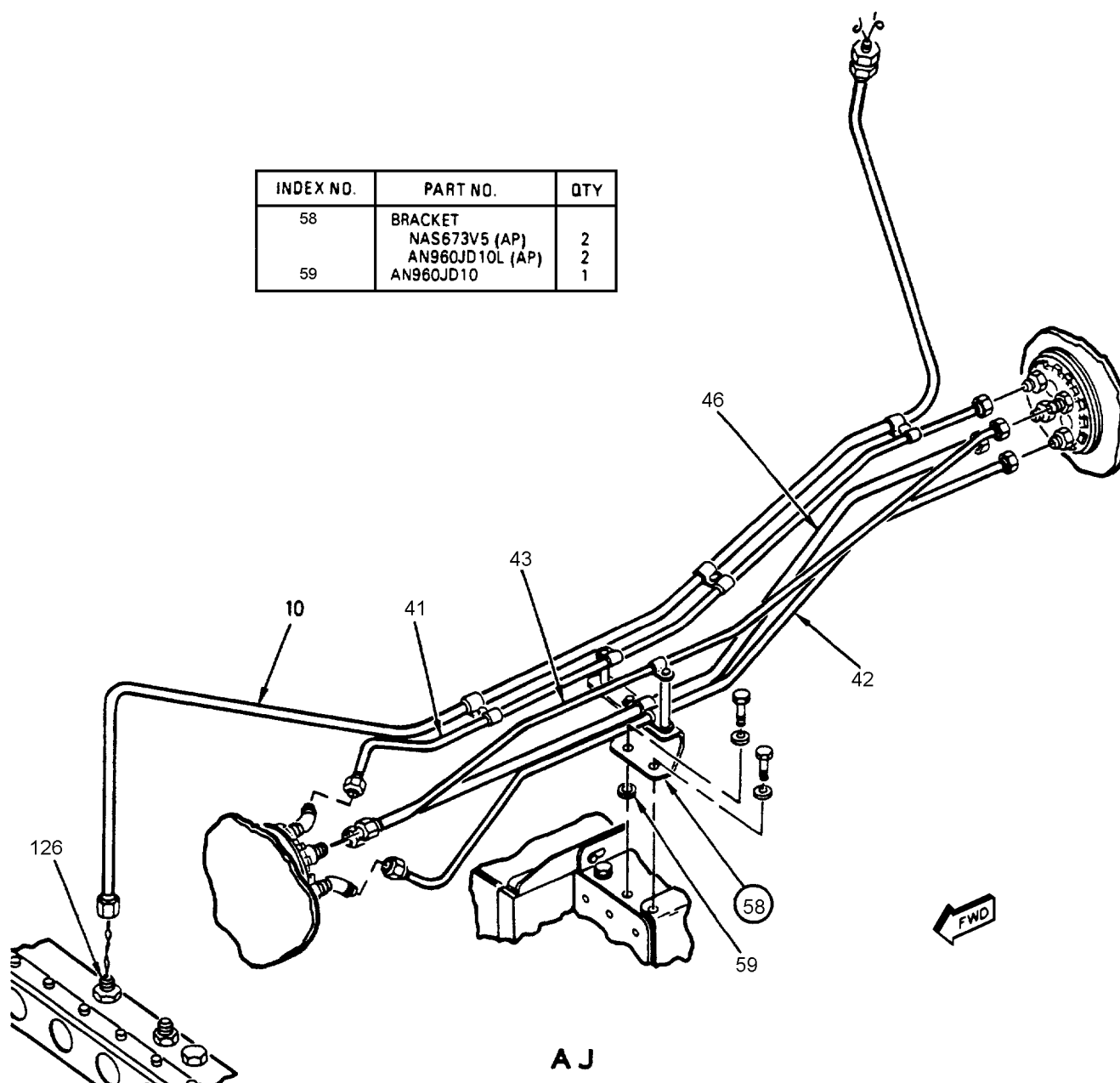
b. Prepare mating surfaces of nipple (126) and conduit (10) for electrical bond (A1-F18AC-LMM-000).

c. At tube (10), tie lacing tape to wires.

d. Carefully pull lacing tape and wires through tube (10). Untie lacing tape from wires and remove.

e. Connect tubes (10, 41, 42, 43 and 46), and bracket (58) with washer (59) and attaching parts. Torque tube (10) 75 to 140 inch-pounds. (QA)

INDEX NO.	PART NO.	QTY
58	BRACKET NAS673V5 (AP) AN960JD10L (AP)	2
59	AN960JD10	1

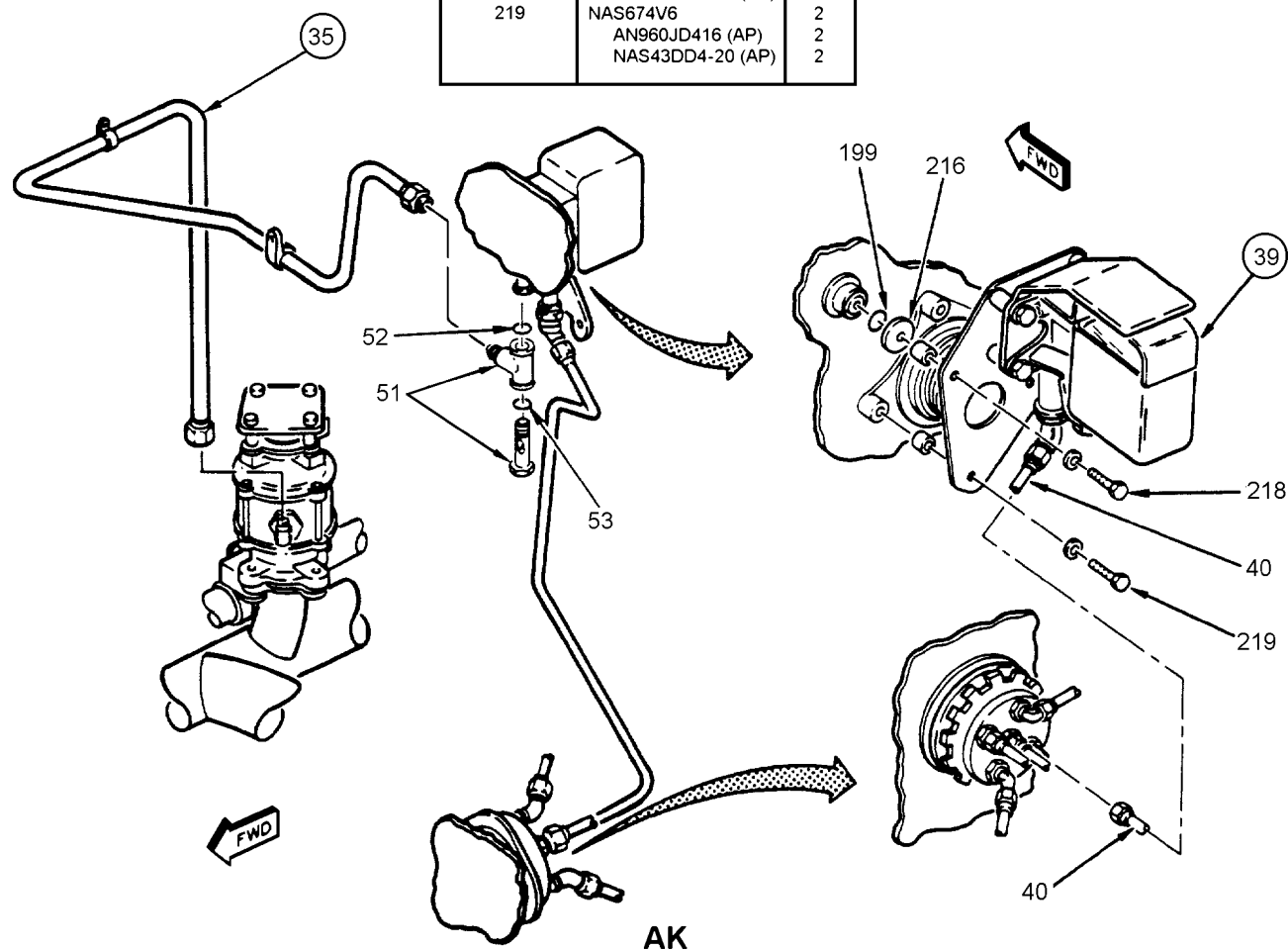


f. Install packing (199), washer (216), valve (39), bolts (218 and 219) and attaching parts. Seal bolt (218) threads per WP013 00. (QA) Snug up all bolts (218 and 219), then torque 50 to 70 inch-pounds. Do not retorquer without first loosening all bolts (218 or 219). (QA)

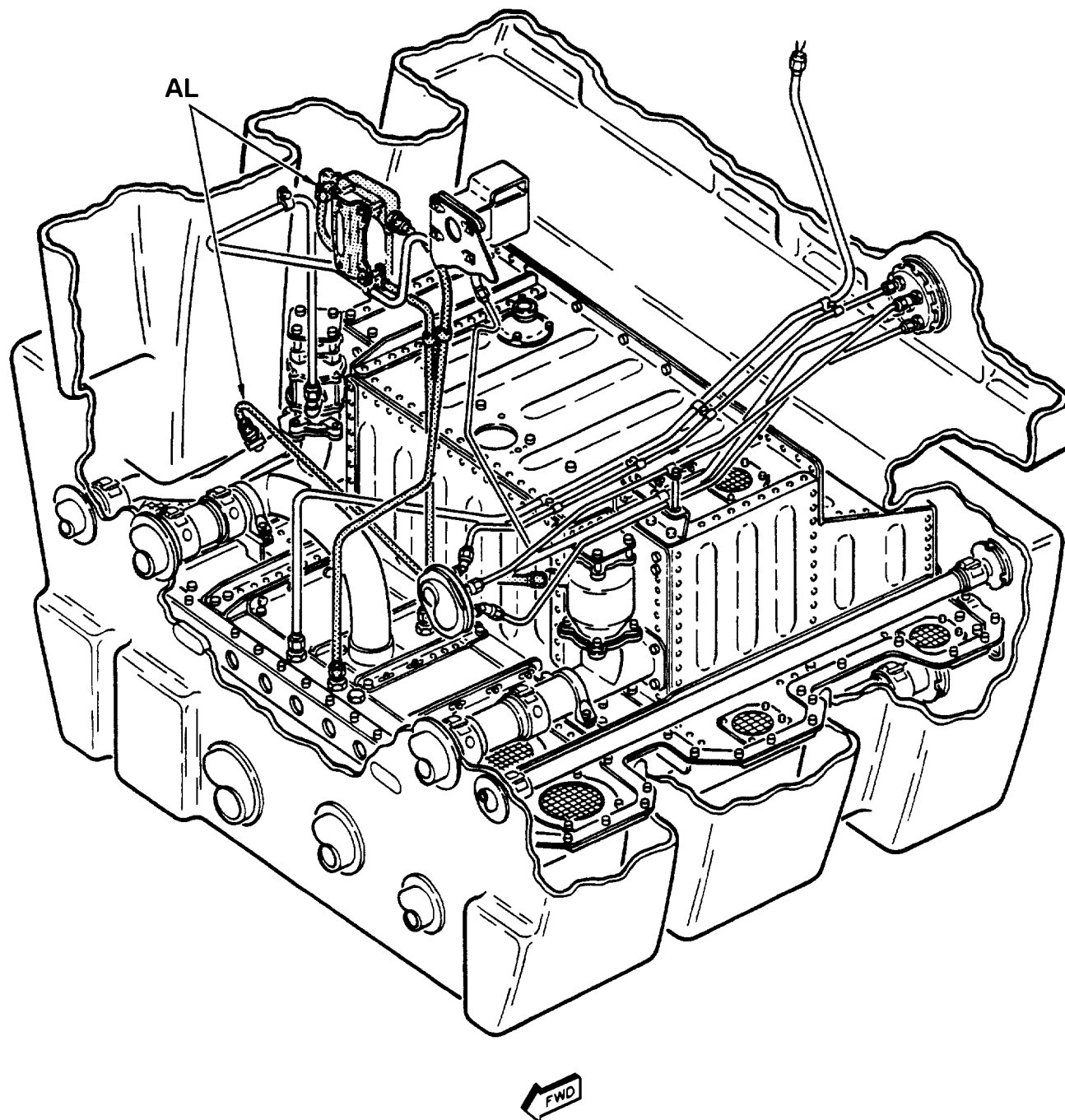
g. Install packings (52 and 53), connector (51) and bolt.

h. Connect tube (40) and install tube (35).

INDEX NO.	PART NO.	QTY
52	MS29512-06	1
53	MS29513-110	1
199	M25988-1-312	1
218	NAS674V8	1
	AN960JD416L (AP)	1
	NAS43DD4-28 (AP)	1
219	NAS674V6	2
	AN960JD416 (AP)	2
	NAS43DD4-20 (AP)	2



15. SEQUENCE 13.



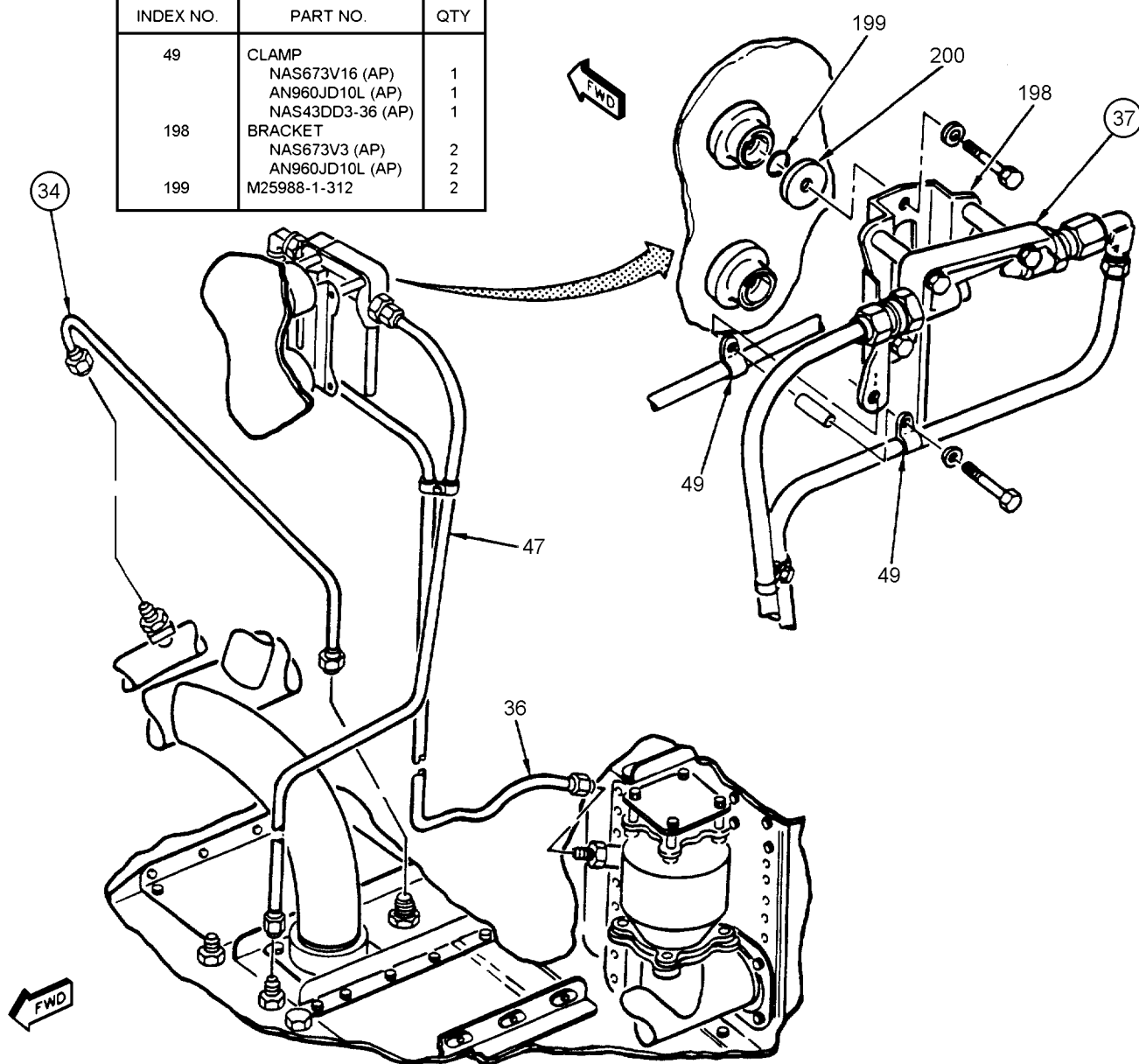
a. Prepare mating surfaces of bracket (198), tank fittings and attaching parts for electrical bond (A1-F18AC-LMM-000).

b. Install packings (199), washers (200), clamps (49), sensor (37) and attaching parts. Seal bracket (198) bolt threads per WP013 00. (QA)

c. Connect tubes (36 and 37).

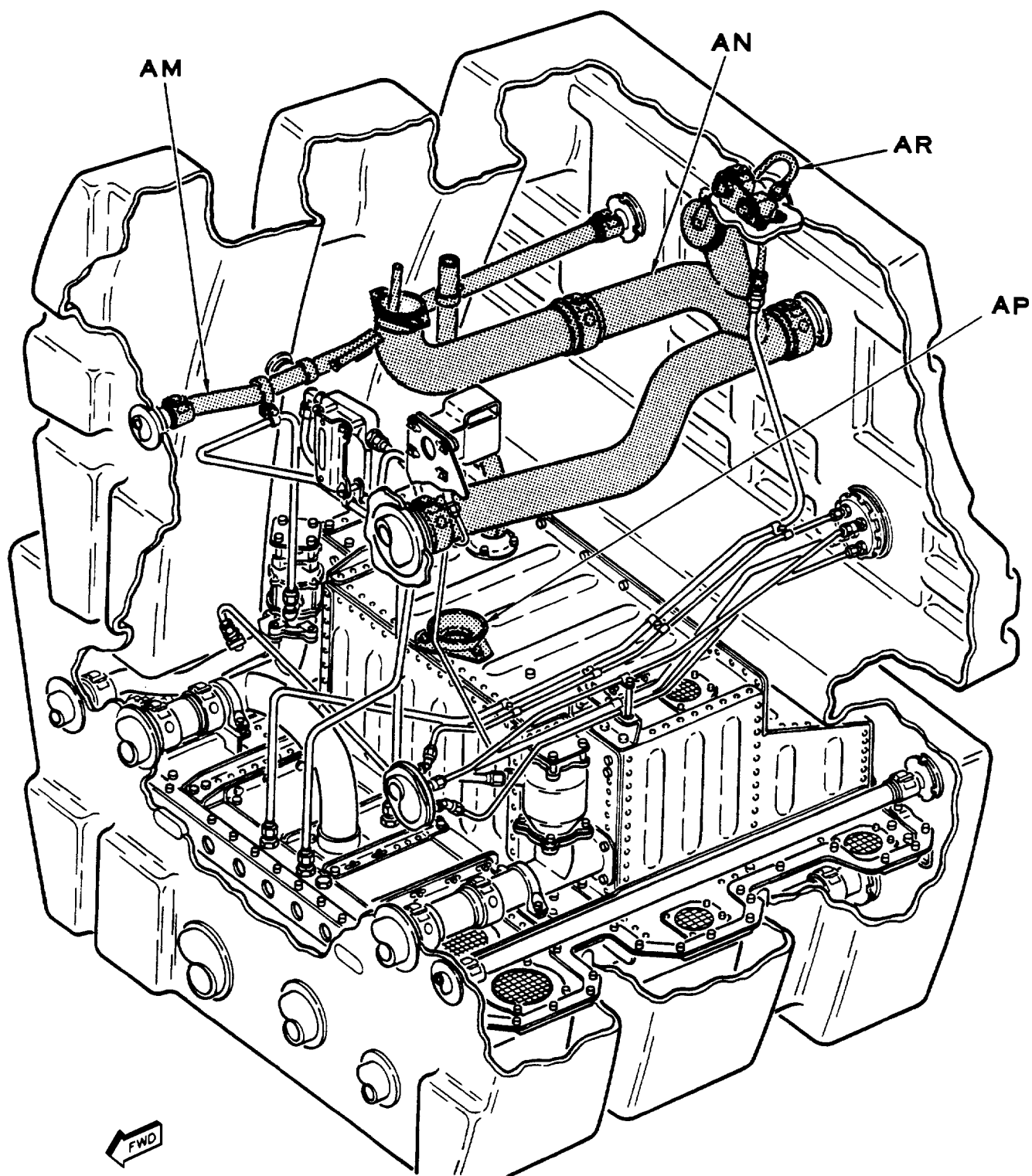
d. Install tube (34).

INDEX NO.	PART NO.	QTY
49	CLAMP	
	NAS673V16 (AP)	1
	AN960JD10L (AP)	1
	NAS43DD3-36 (AP)	1
198	BRACKET	
	NAS673V3 (AP)	2
	AN960JD10L (AP)	2
199	M25988-1-312	2



AL

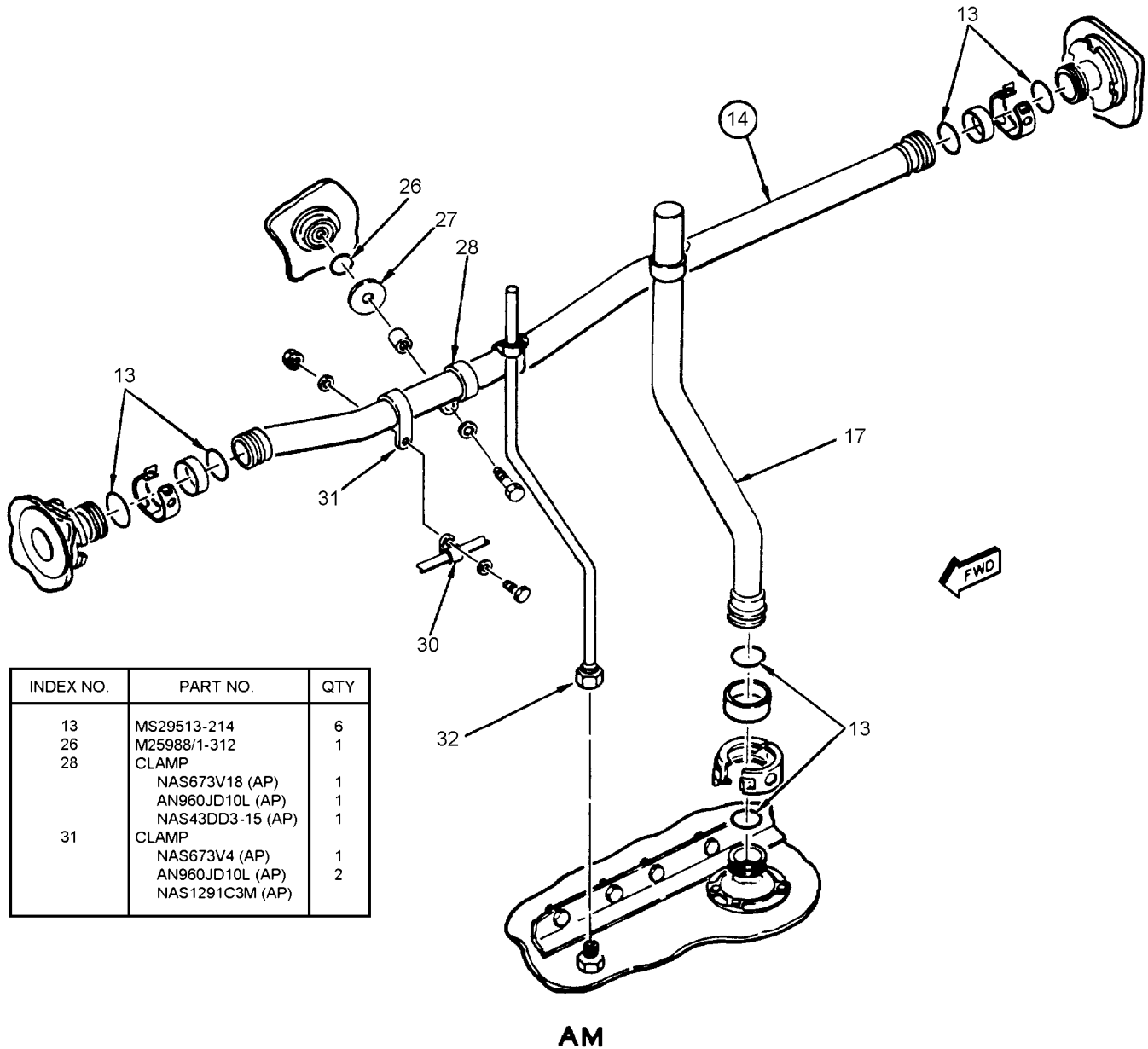
16. SEQUENCE 14.



a. Install packings (13 and 26), tubes (14 and 17) and related parts. Seal clamp (28) bolt threads per WP013 00. (QA)

b. On 161716 THRU 161761, connect tube (32).

c. Install clamp (30 and 31) attaching parts.

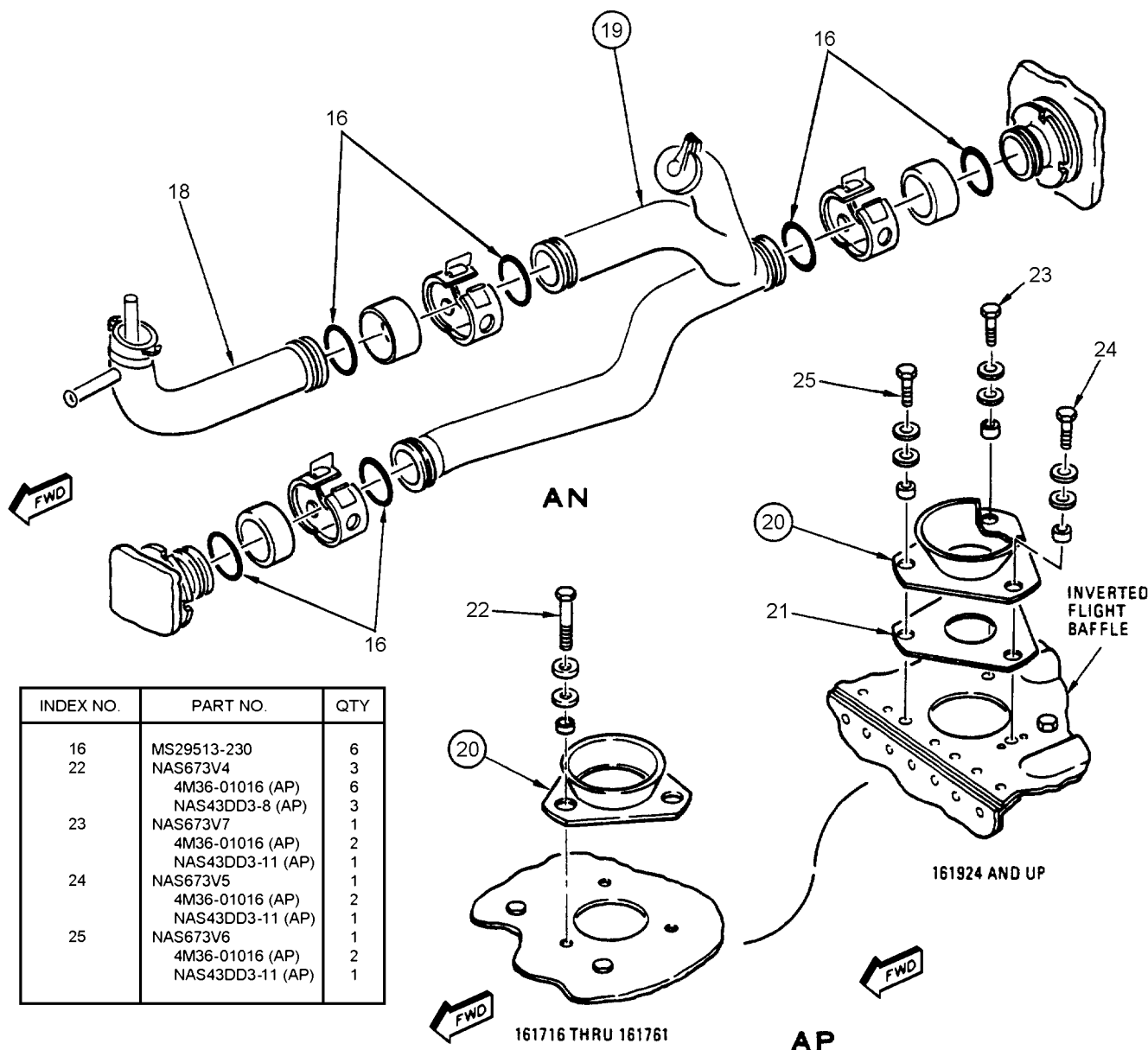


INDEX NO.	PART NO.	QTY
13	MS29513-214	6
26	M25988/1-312	1
28	CLAMP	
	NAS673V18 (AP)	1
	AN960JD10L (AP)	1
	NAS43DD3-15 (AP)	1
31	CLAMP	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	

d. On 161716 THRU 161761, install probe guide (20), bolts (22), and attaching parts.

e. On 161924 AND UP, install gasket (21), probe guide (20) and bolts (23, 24 and 25) with attaching parts.

f. Install packings (16), vent assembly (19), tube (18) and related parts.



g. Prepare mating surfaces of adapter (7) dorsal deck, elbow (8), and nipple (9) for electrical bond (A1-F18AC-LMM-000).

h. Position packing (229) and thread wires through hole in dorsal deck.

i. Thread wires through elbow (8) and adapter (7).

j. Position packings (5) and connect wires to connector (4) as shown below.

k. Install packings (5) and connect adapter (7) and related parts.

l. Install packing (229).

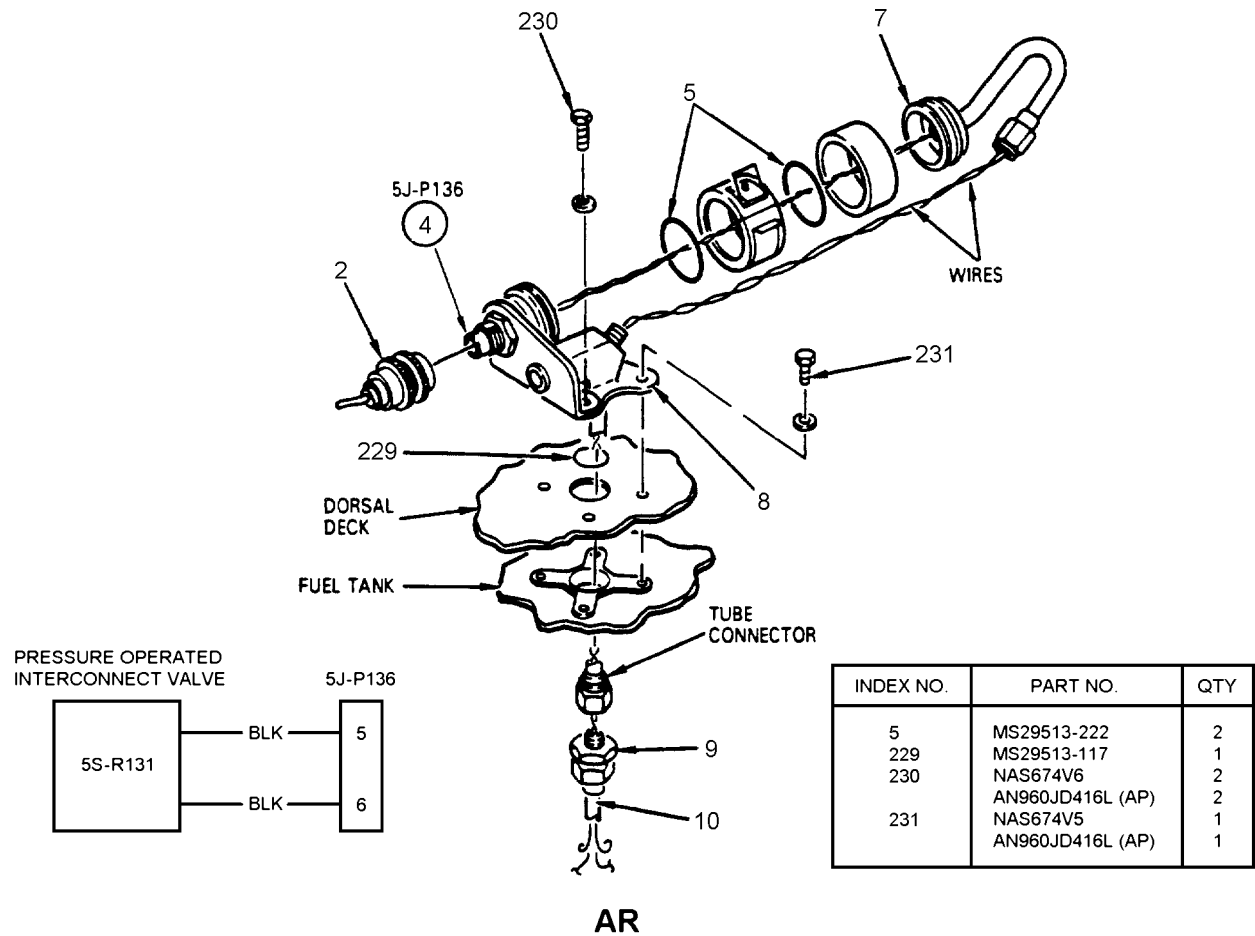
m. Position and connect elbow (8) to nipple (9) and install bolts (230 and 231) and washers.

WARNING

To prevent fuel migration from inside through conduit tube (10), tube connector nut on elbow (8) must be torqued.

n. Torque tube connector nut on elbow (8) 75 to 140 inch-pounds. (QA)

o. Connect connector (2) and conduit (10).



p. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)

q. Install access cover (WP006 00).

r. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.

s. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.

t. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 3 FUEL TANK (5CAP510)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Fuel System	A1-F18AC-460-300
No. 3 Fuel Tank Access Cover	WP006 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 3 Fuel Tank Inspection and Folding	WP025 00
IPB - No. 3 Fuel Tank	WP024 06
Repair - No. 3 Fuel Tank Inverted Flight Baffle	WP024 05
No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports	WP042 00
Fuel System	A1-F18AC-460-200
Internal Fuel Transfer and Engine Fuel Supply System	WP012 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Plane Captain Manual	A1-F18AC-PCM-000

Alphabetical Index

Subject	Page No.
General	2
Installation	4
Materials Required	2
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA-F18-00055/C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Tanks 2 and 3 (ECP MDA-F18-00077C1/C2)	15 Jul 86	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	Torque Wrench, 0 to 60 Inch-Pounds
-	Torque Wrench, 0 to 200 Inch-Pounds
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/Installation Tool Set
74D460102-1001	Fuel Tank Bulkhead Nut Adapter Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set

Materials Required (Cont)

Specification or Part Number	Nomenclature
MS20995NC32 (CAGE 96906)	Lockwire
VV-P-236 (CAGE 81348)	Petrolatum, Technical
74K580003-1005 (CAGE 76301)	Preformed Packing Assortment
474 (CAGE 26066)	Tape, Pressure Sensitive

1. GENERAL.

NOTE

For complete parts list, see no. 3 fuel tank parts list (WP024 06). Packings and hardware are listed in tables on each page.

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

a. Do or observe applicable fuel tank maintenance precautions (WP013 00).

Materials Required

Specification or Part Number	Nomenclature
MIL-C-5040, Type 3 (CAGE 81349)	Cord, Fibrous

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks can occur resulting in fire hazard.

NOTE

Nonprotruding bulkhead connectors have a retaining ring on one side only, opposite side has fixed flange.

b. Inspect applicable nonprotruding bulkhead connectors and replace (WP042 00) missing damaged retaining rings.

c. Apply pressure sensitive tape to all protruding type fittings inside cavity.

NOTE

Tie start knot of all lacing cords at first cavity lacing bracket before installing fuel tank to ease lacing procedure.

d. Fold and insert fuel tank (WP025 00).

e. After positioning tank in cavity, remove pressure sensitive tape from cavity fittings.



Petrolatum, Technical, VV-P-236

1

f. Lubricate new packings with petrolatum before installation.

g. For alignment and spacing of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagged on procedure to maintain aircraft safety in flight.

h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagged. (QA)

i. Unless covered by form in place seal, electrical bond holes in baffle assembly where indicated by symbol (A1-F18AC-LMM-000).

j. When a sequence is completed, inspect applicable tasks listed below for compliance: (QA)

(1) Specific torque callouts.

(2) Items safetied with lockwire.

(3) Foreign objects removed.

(4) Coupling condition and security.

(5) Tube/line condition and security, and if printed on tube/line.

(6) Fuel tank (bladder) condition.

2. **INSTALLATION.**3. **SEQUENCE 1.**

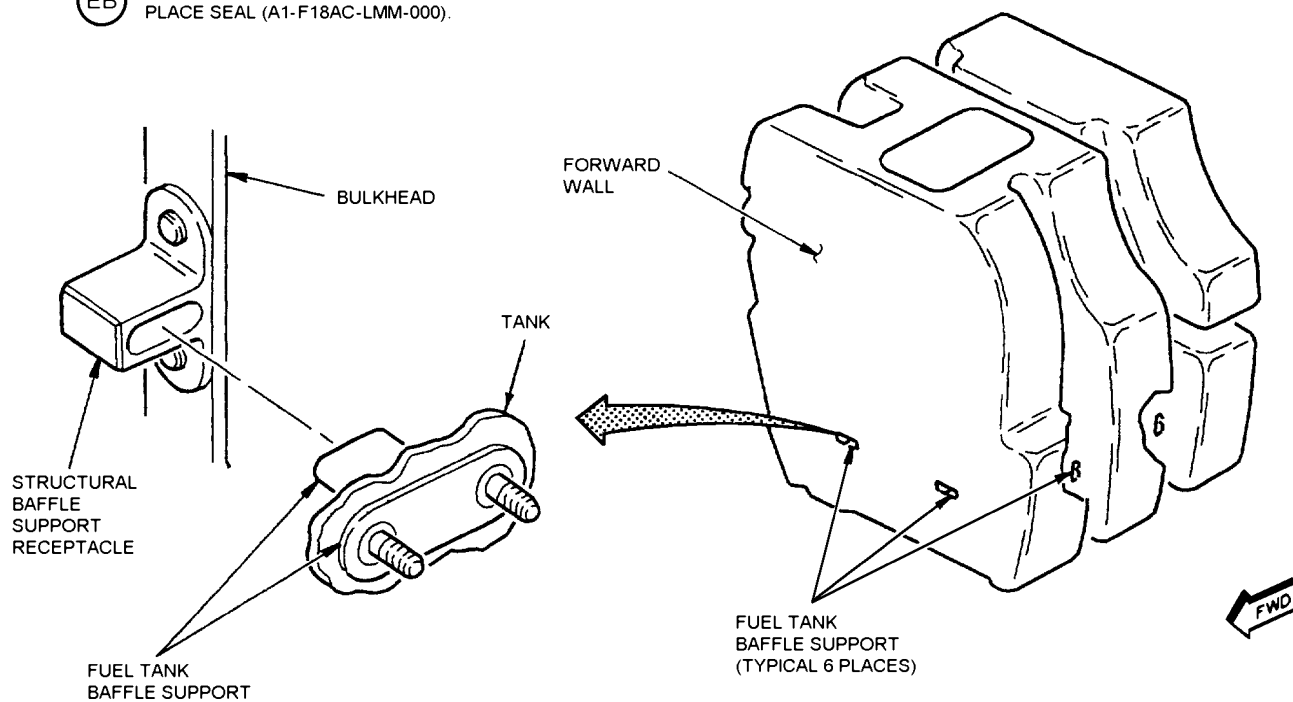
To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle receptacles.

a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on forward tank wall and two each on left and right side of tank).

LEGEND

1 USE ONLY COUPLINGS W901K, W904K, 14J12 OR 14C12.

EB ELECTRICAL BOND HOLE UNLESS COVERED BY FORM IN PLACE SEAL (A1-F18AC-LMM-000).



02303p04

b. Cut lacing cords per chart below.

c. Finish end of lacing cords (WP013 00).

d. Install lacing cords following the sequence numbers shown on the next page. (S equals start, F equals finish).

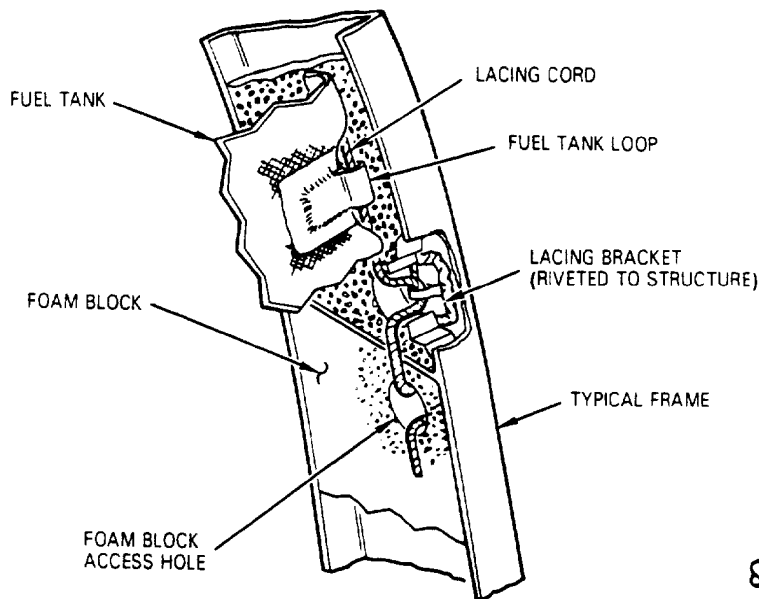
e. Always pull cord completely through lacing bracket and fuel tank loop before starting into next bracket or loop.



To prevent damage to fuel tank, be careful when trimming lacing cords.

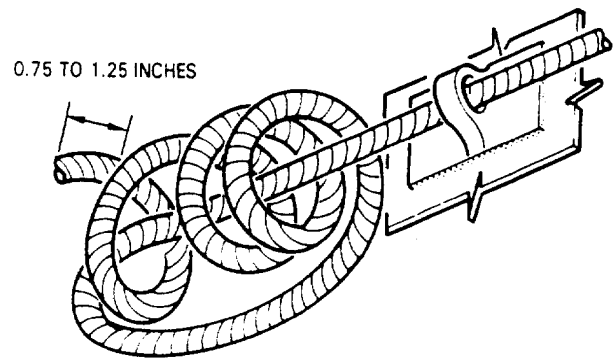
f. Limit lacing cord length to 0.75 to 1.25 inches past knot and finish per WP013 00.

g. Lace right side of tank the same as left side, alternating from one side to the other.

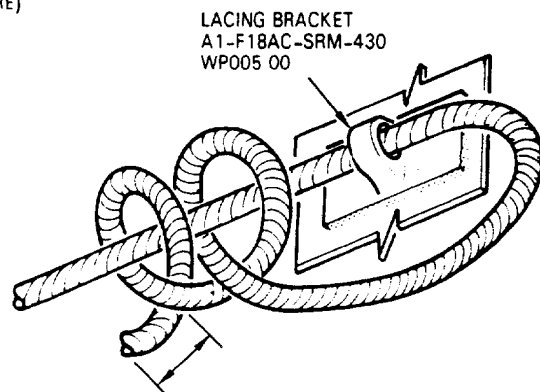


TYPICAL LACING PROCEDURE

LENGTH OF CORD	QTY
4 FEET	2
5 FEET	5
6 FEET	4
7 FEET	1

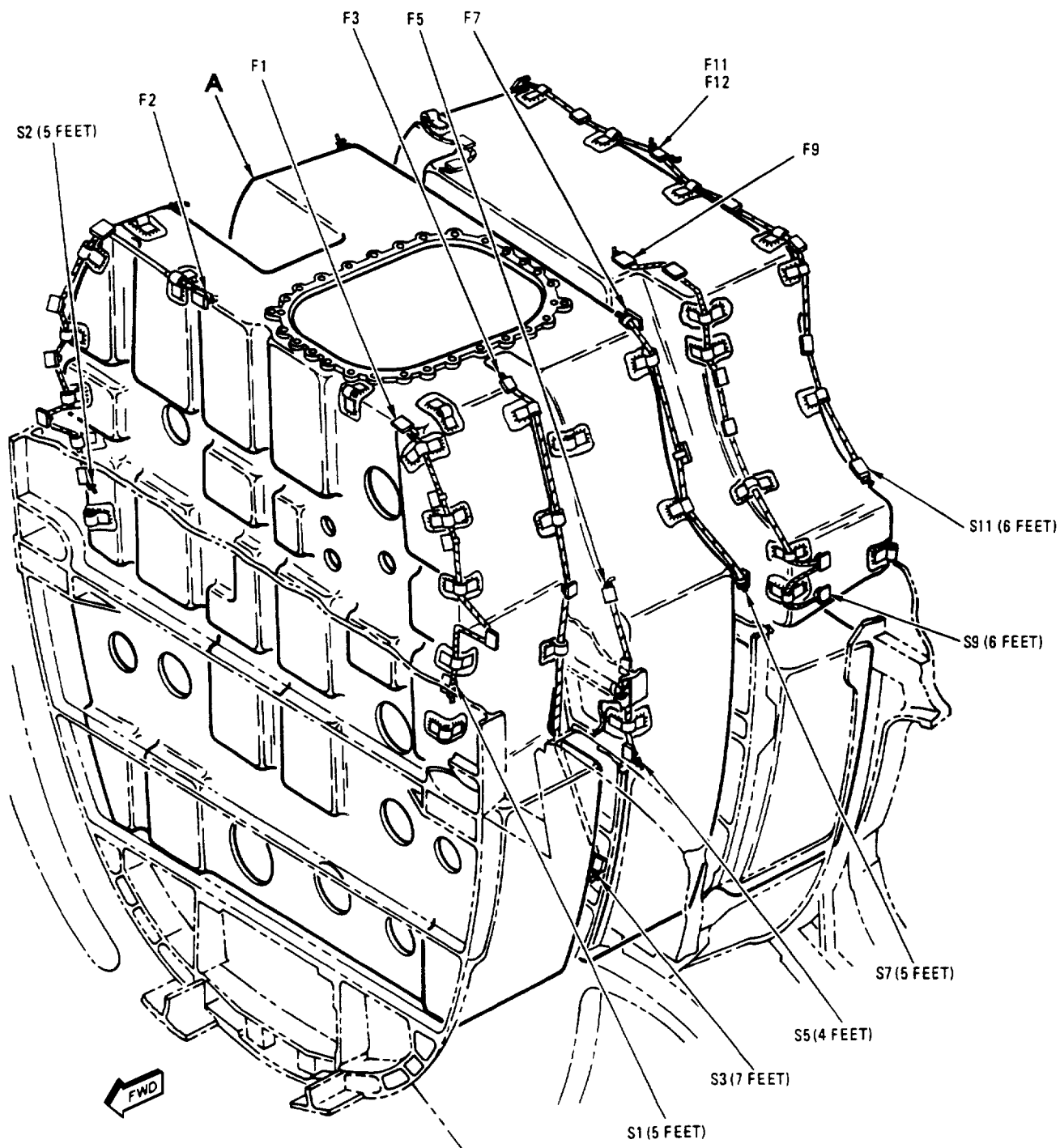


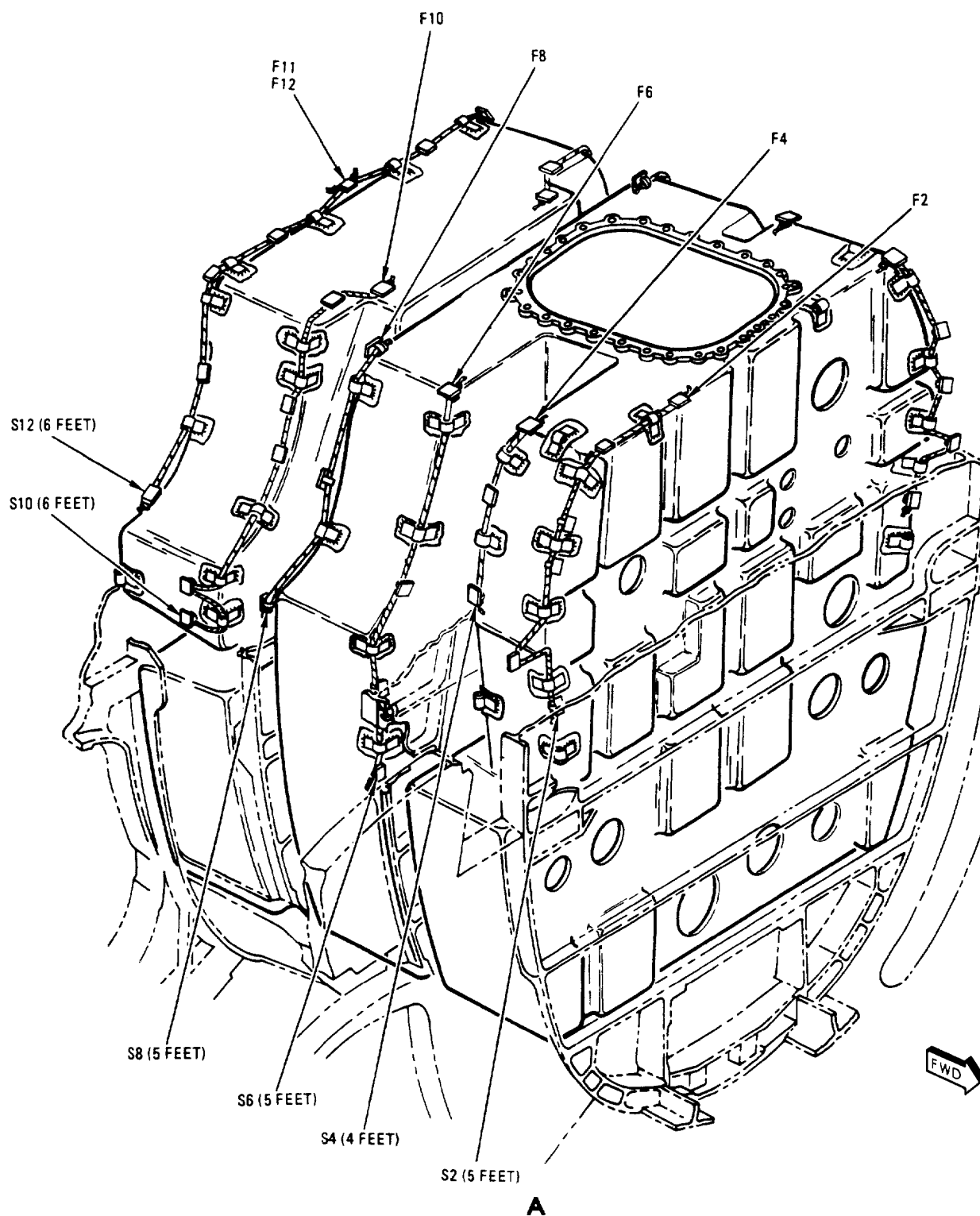
START KNOT



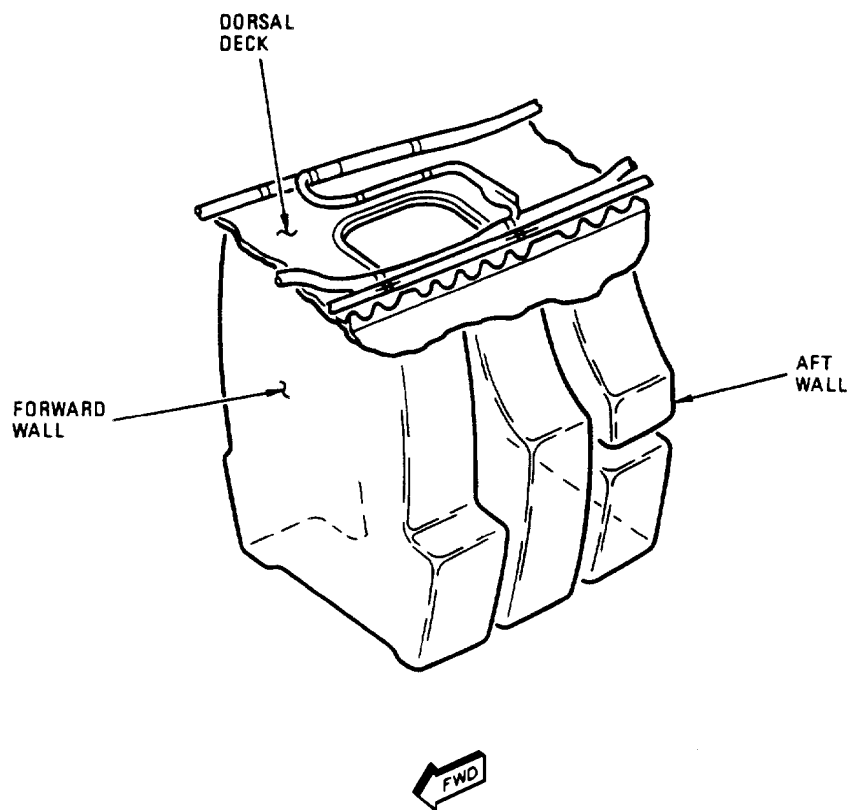
TRIM END
0.7 TO 1.25
INCHES AFTER
KNOT IS TIGHT

FINISH KNOT





4. SEQUENCE 2.

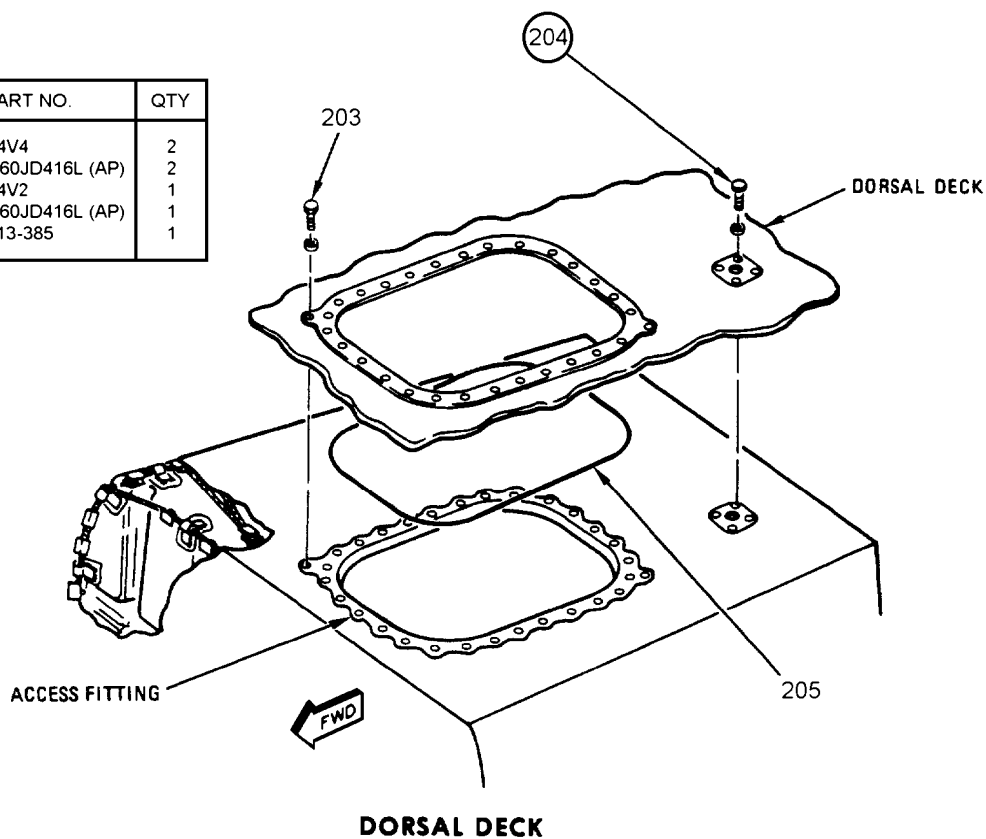


a. Prepare mating surfaces of access fitting and dorsal deck for electrical bond (A1-F18AC-LMM-000).

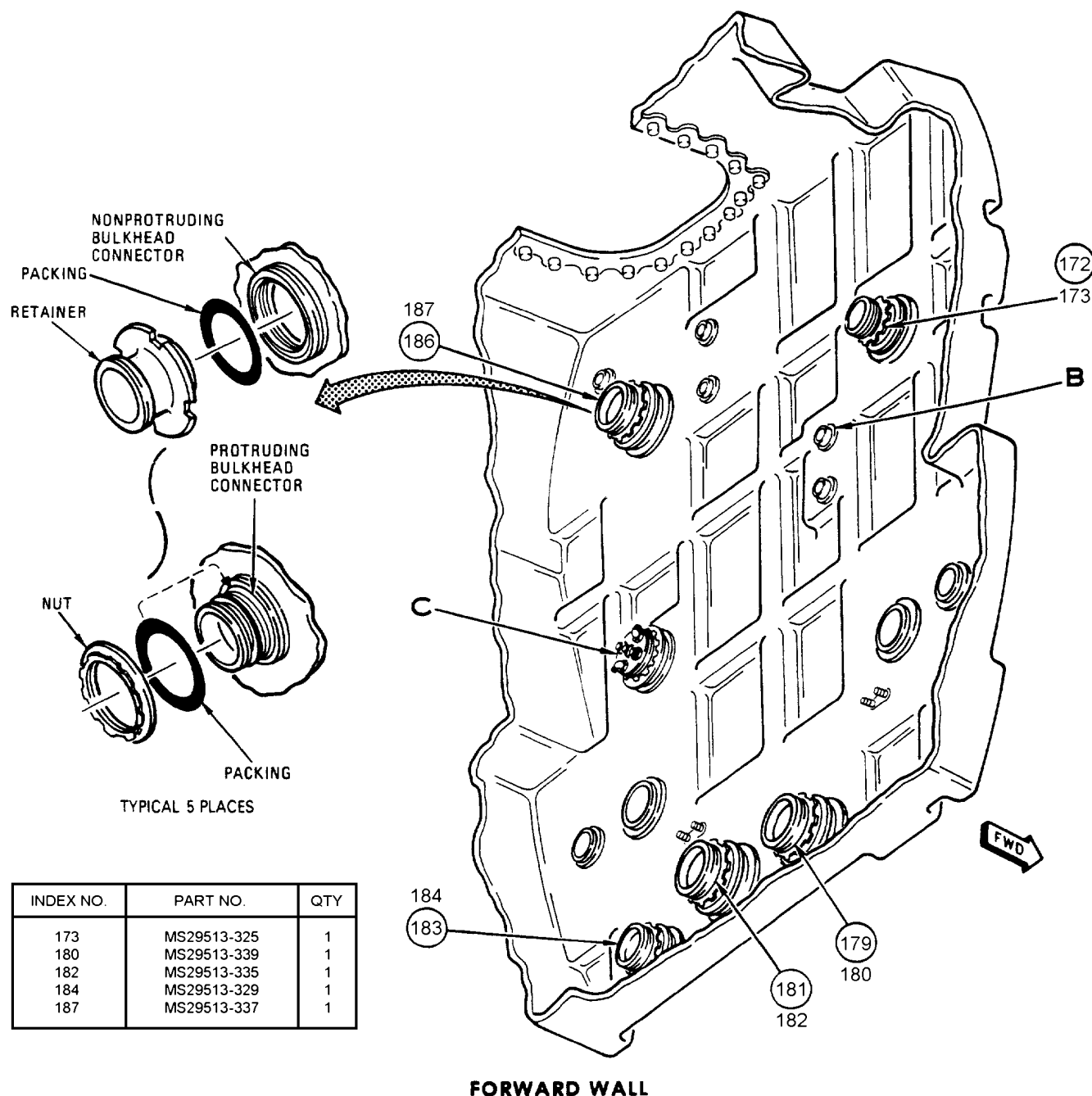
c. Install bolt (204) and washer.

b. Install packing (205), bolts (203) and washers.

INDEX NO.	PART NO.	QTY
203	NAS674V4	2
	AN960JD416L (AP)	2
204	NAS674V2	1
	AN960JD416L (AP)	1
205	MS29513-385	1



d. Install packings (173, 180, 182, 184, and 187), and nuts or retainers (172, 179, 181, 183 and 186) and verify running torque and final torque (WP013 00). (QA)



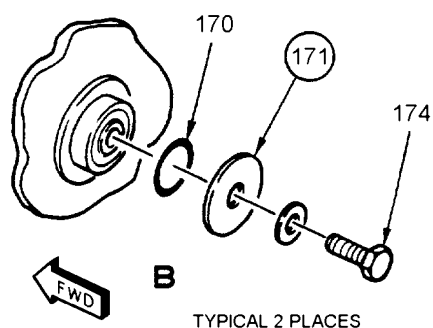
INDEX NO.	PART NO.	QTY
173	MS29513-325	1
180	MS29513-339	1
182	MS29513-335	1
184	MS29513-329	1
187	MS29513-337	1

e. Prepare mating surfaces of structure and bolts (174) for electrical bond (A1-F18AC-LMM-000).

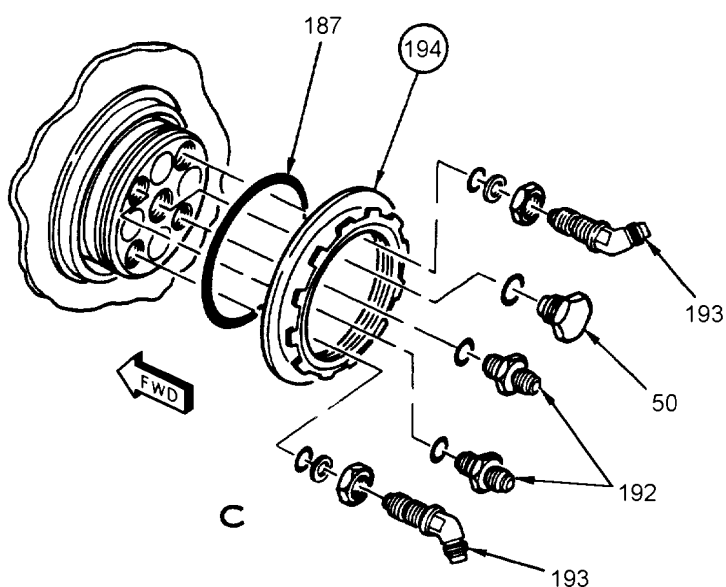
f. Install packings (170), washers (171), bolts (174) and attaching parts. Seal bolt (174) threads per WP013 00. (QA)

g. Install packing (187) and nut (194) and verify running torque and final torque (WP013 00). (QA)

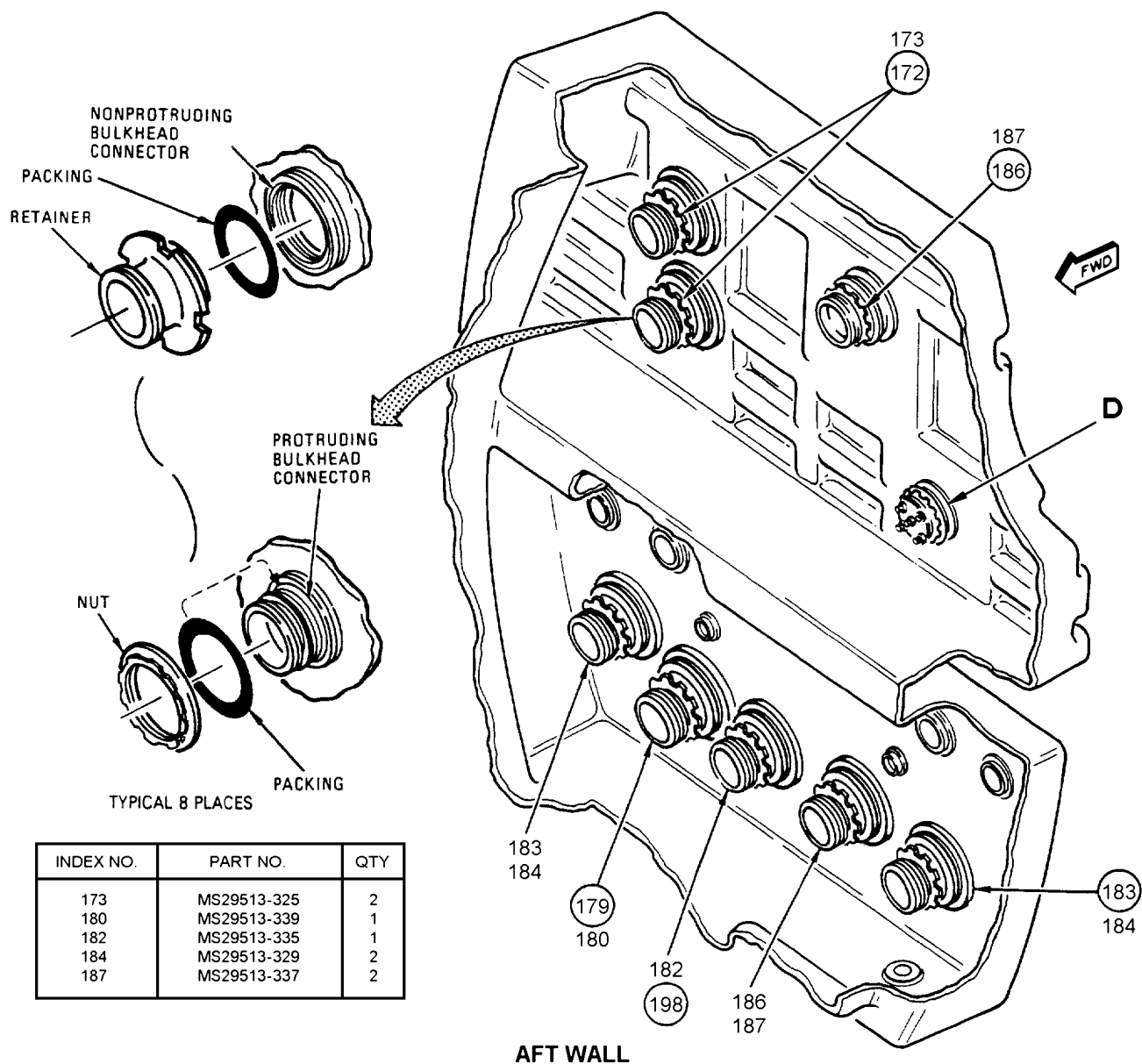
h. Install nipples (192), elbows (193), plug (50), and related parts.



INDEX NO.	PART NO.	QTY
170	M25988-1-312	2
174	NAS673V2	2
	AN960JD10 (AP)	2
187	MS29513-337	1
192	NIPPLE	
	MS29512-04 (AP)	2
193	ELBOW	
	MS29512-04 (AP)	2
	MS28773-04 (AP)	2
	AN6289D4 (AP)	2
50	PLUG	
	MS29512-06 (AP)	1

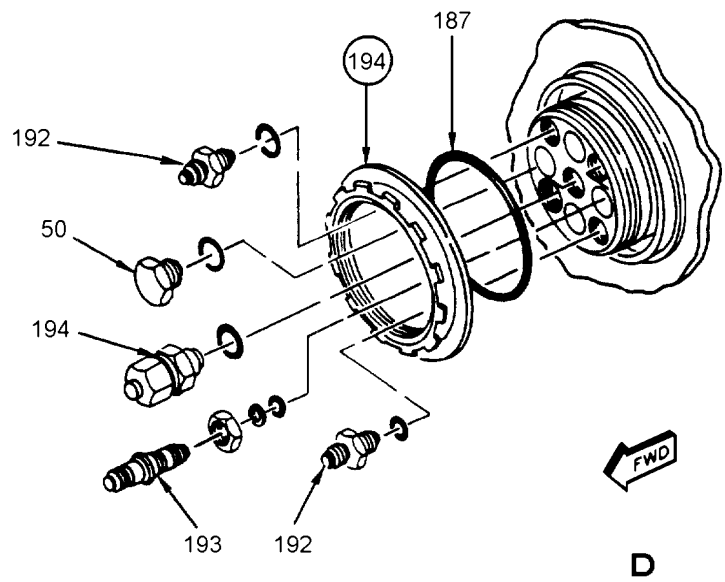


i. Install packings (173, 180, 182, 184 and 187), and nuts or retainers (172, 179, 183, 186 and 198) and verify running torque and final torque (WP013 00). (QA)



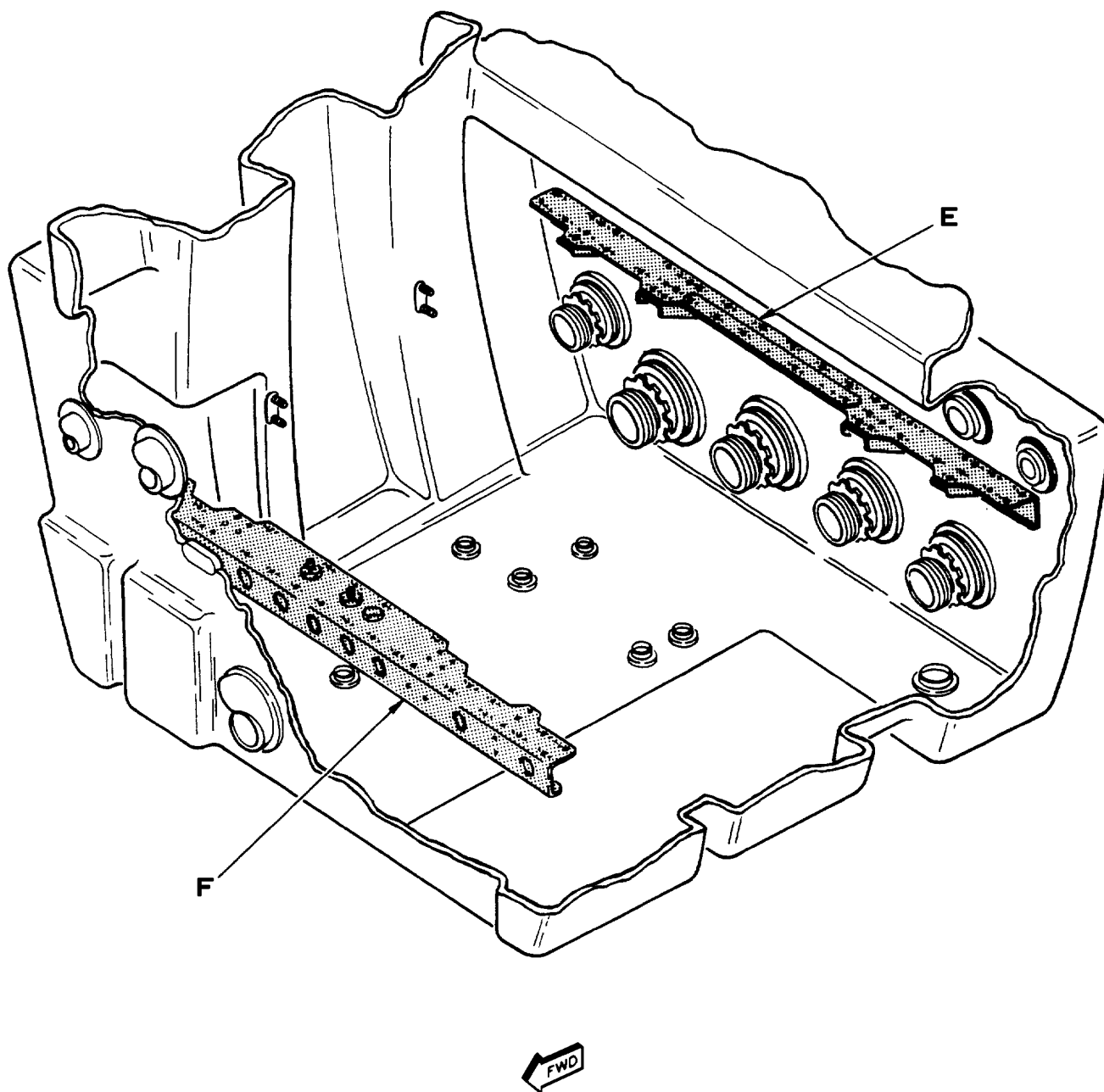
j. Install packing (187) and nut (194) and verify running torque and final torque (WP013 00). (QA)

k. Install plug (50), nipples (192), elbow (193) and attaching parts.



INDEX NO.	PART NO.	QTY
187	MS29513-337	1
192	NIPPLE	
	MS29512-04 (AP)	2
193	ELBOW	
	MS29512-04 (AP)	1
	MS28773-04 (AP)	1
	AN6289D4 (AP)	1
194	NIPPLE	
	MS29512-06 (AP)	2
50	PLUG	
	MS29512-06 (AP)	1

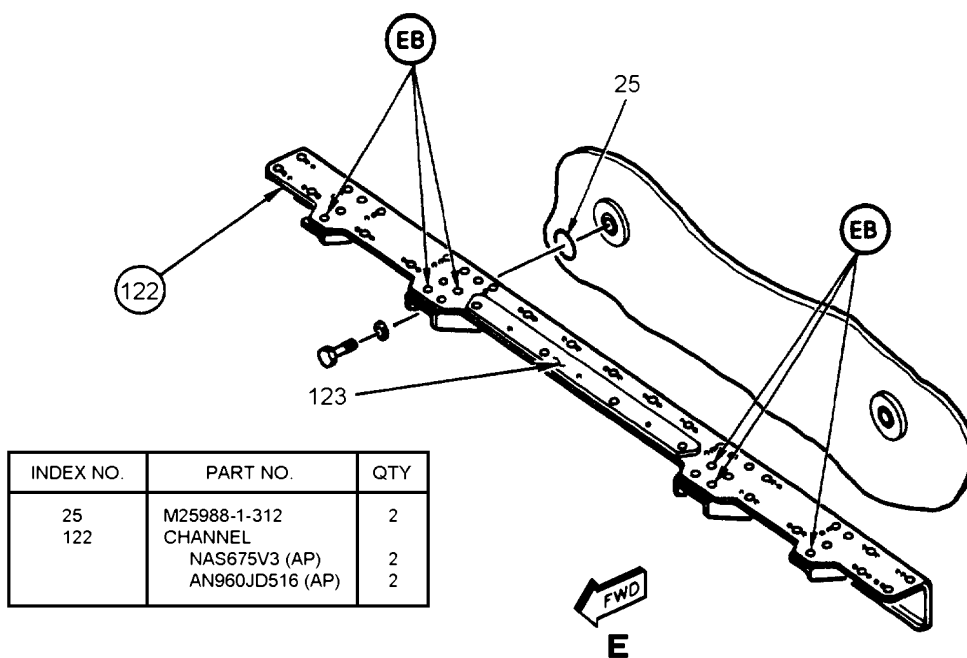
5. SEQUENCE 3.



NOTE

Make sure shim (123) is attached with rivets per WP024 05.

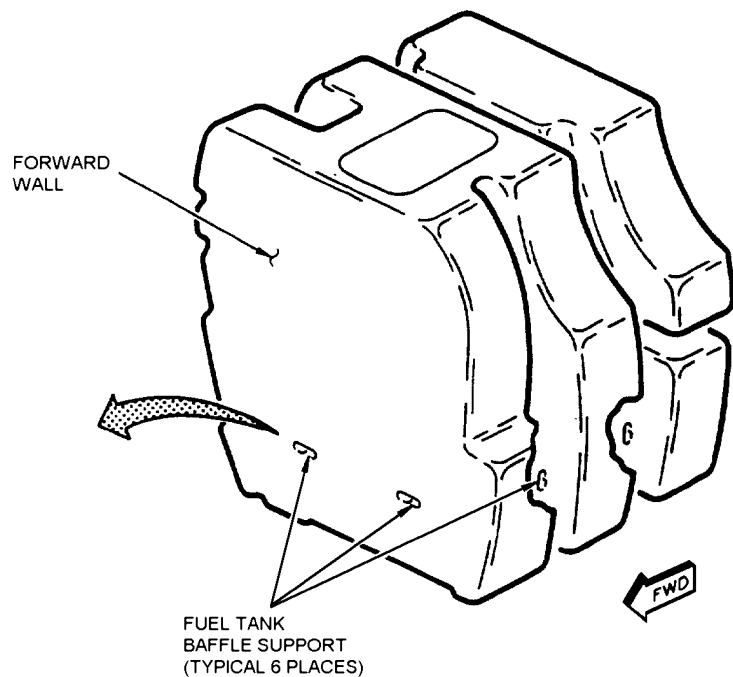
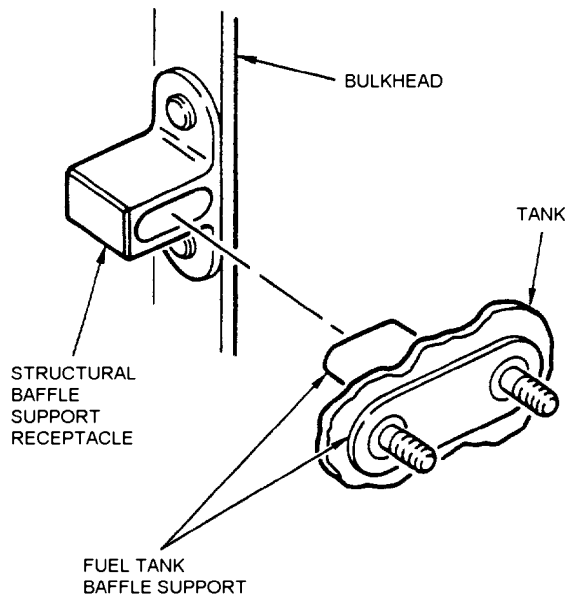
- a. Install packings (25), channel (122) and attaching parts. Seal channel (122) bolt threads per WP013 00. (QA)



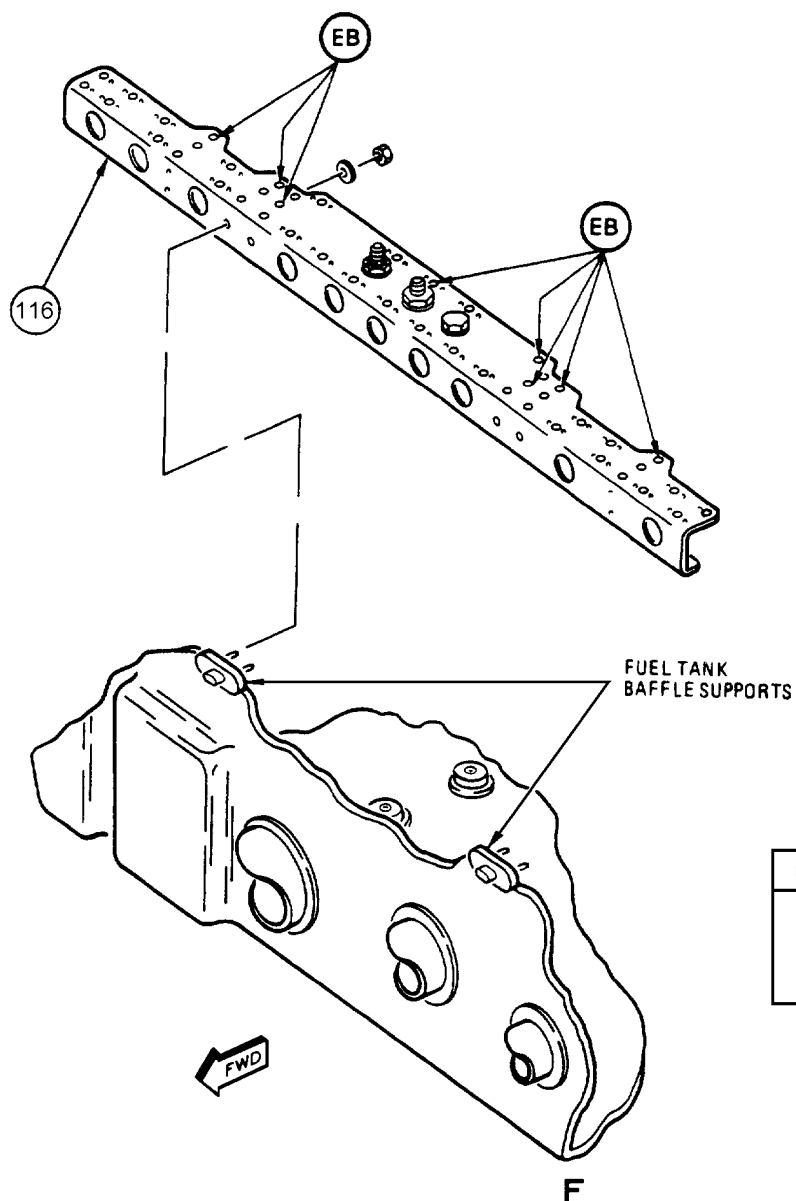
CAUTION

To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle receptacles.

b. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on forward tank wall and two each on left and right side of tank) before installing baffle structure around periphery of tank.

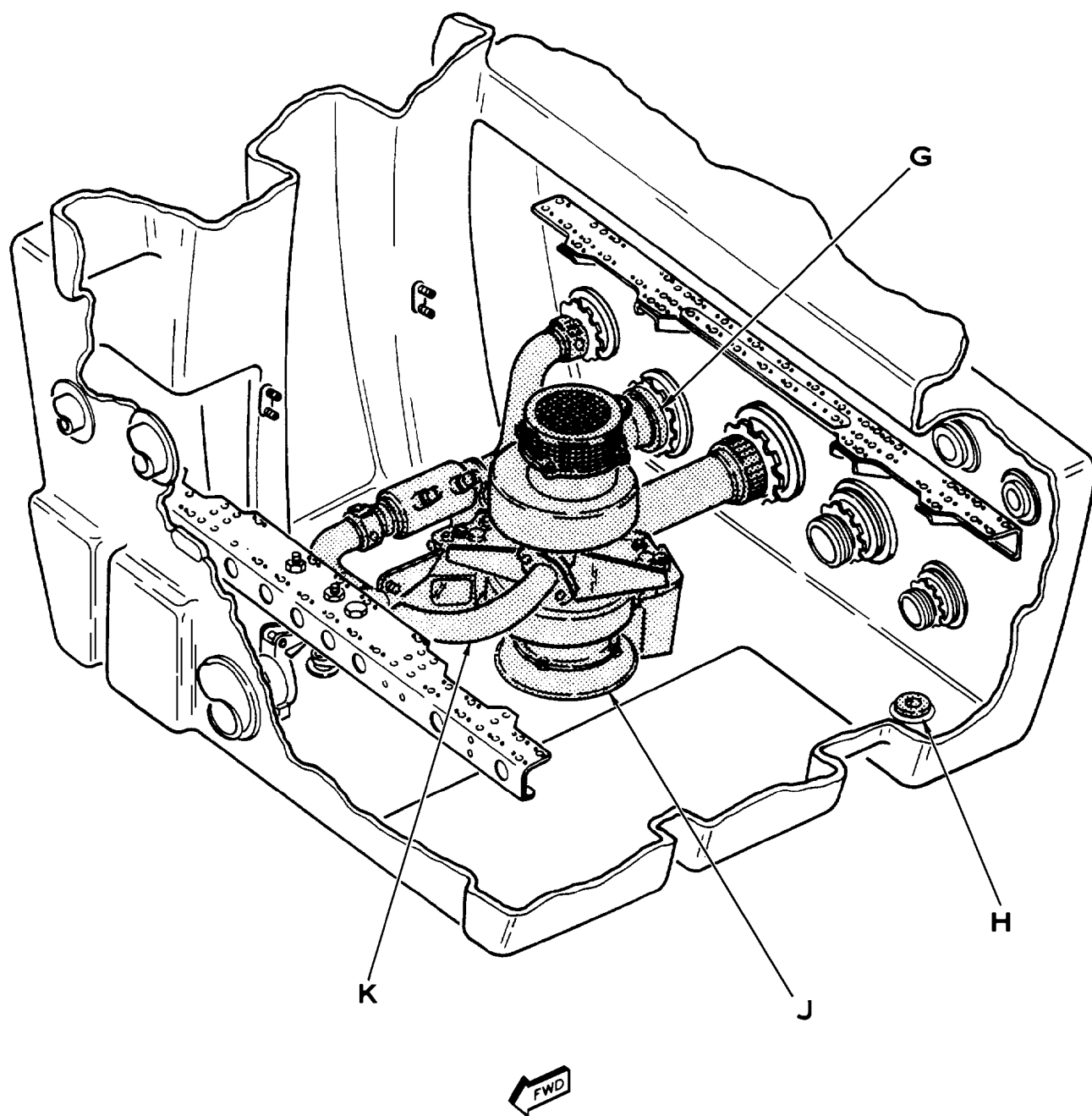


c. Install channel (116) and attaching parts.



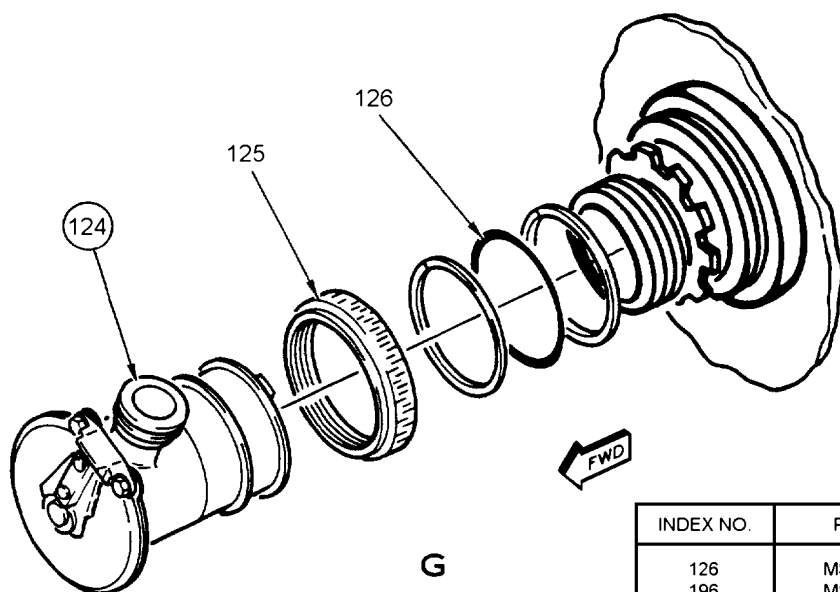
INDEX NO.	PART NO.	QTY
116	CHANNEL	
	AN960JD416 (AP)	4
	NAS1291C4M (AP)	4

6. SEQUENCE 4.

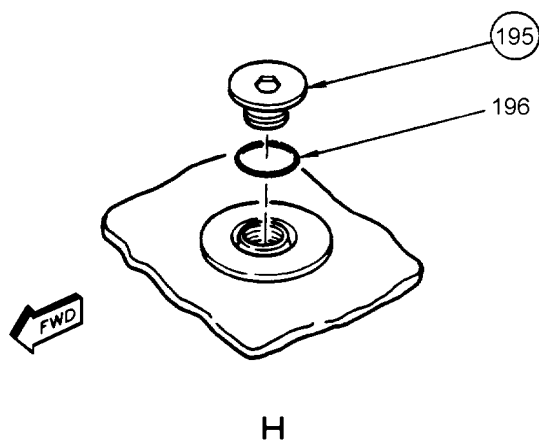


a. Install packing (126), valve (124) and related parts.

b. Install packing (196) and adapter (195).



INDEX NO.	PART NO.	QTY
126	MS29513-334	1
196	MS29513-213	1



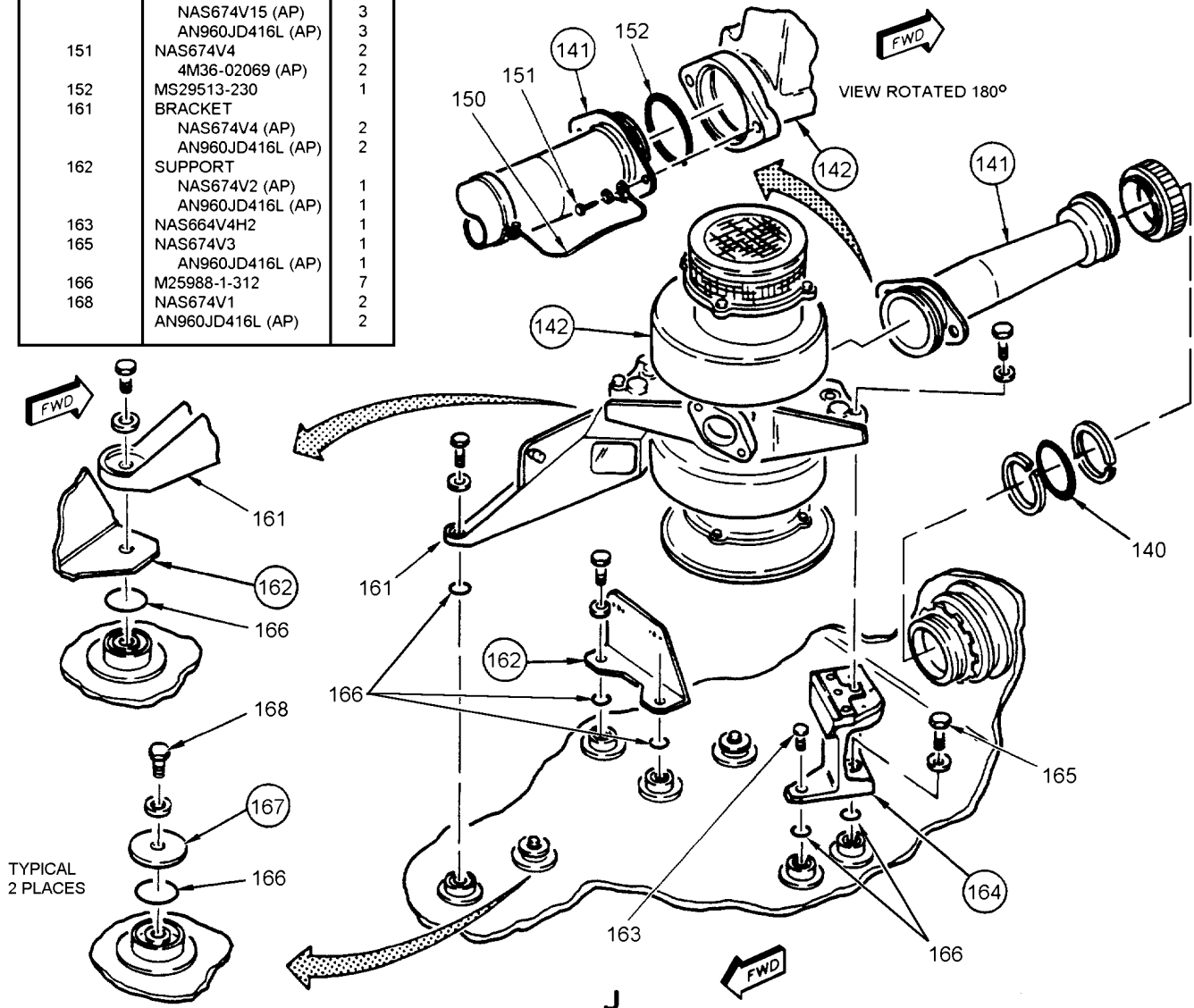
c. Prepare mating surfaces of bracket (161), supports (162 and 164), washers (167) and structure for electrical bond (A1-F18AC-LMM-000).

d. Seal bracket (161) and support (162) bolt threads, screw (163) and bolt (165 and 168) threads per WP013 00. (QA)

e. Install packings (166), bracket (162) with out-board attaching parts, bracket (164) with screw (163), washers (167), bolts (165 and 168) and attaching parts.

f. Install packings (140 and 152), then position tube (141), boost pump (142) and bracket (161) assembly and install attaching parts. Prepare mating surface of tube (141) flange and jumper (150) for electrical bond (A1-F18AC-LMM-000). Make sure jumper (150) is attached with bolt (151) and washer.

INDEX NO.	PART NO.	QTY
140	MS29513-330	1
142	BOOST PUMP	
	NAS674V15 (AP)	3
	AN960JD416L (AP)	3
151	NAS674V4	2
	4M36-02069 (AP)	2
152	MS29513-230	1
161	BRACKET	
	NAS674V4 (AP)	2
	AN960JD416L (AP)	2
162	SUPPORT	
	NAS674V2 (AP)	1
	AN960JD416L (AP)	1
163	NAS664V4H2	1
165	NAS674V3	1
	AN960JD416L (AP)	1
166	M25988-1-312	7
168	NAS674V1	2
	AN960JD416L (AP)	2



g. Install packings (5 and 143), then position tube (144) and wash filter (137) assembly. Install attaching parts.

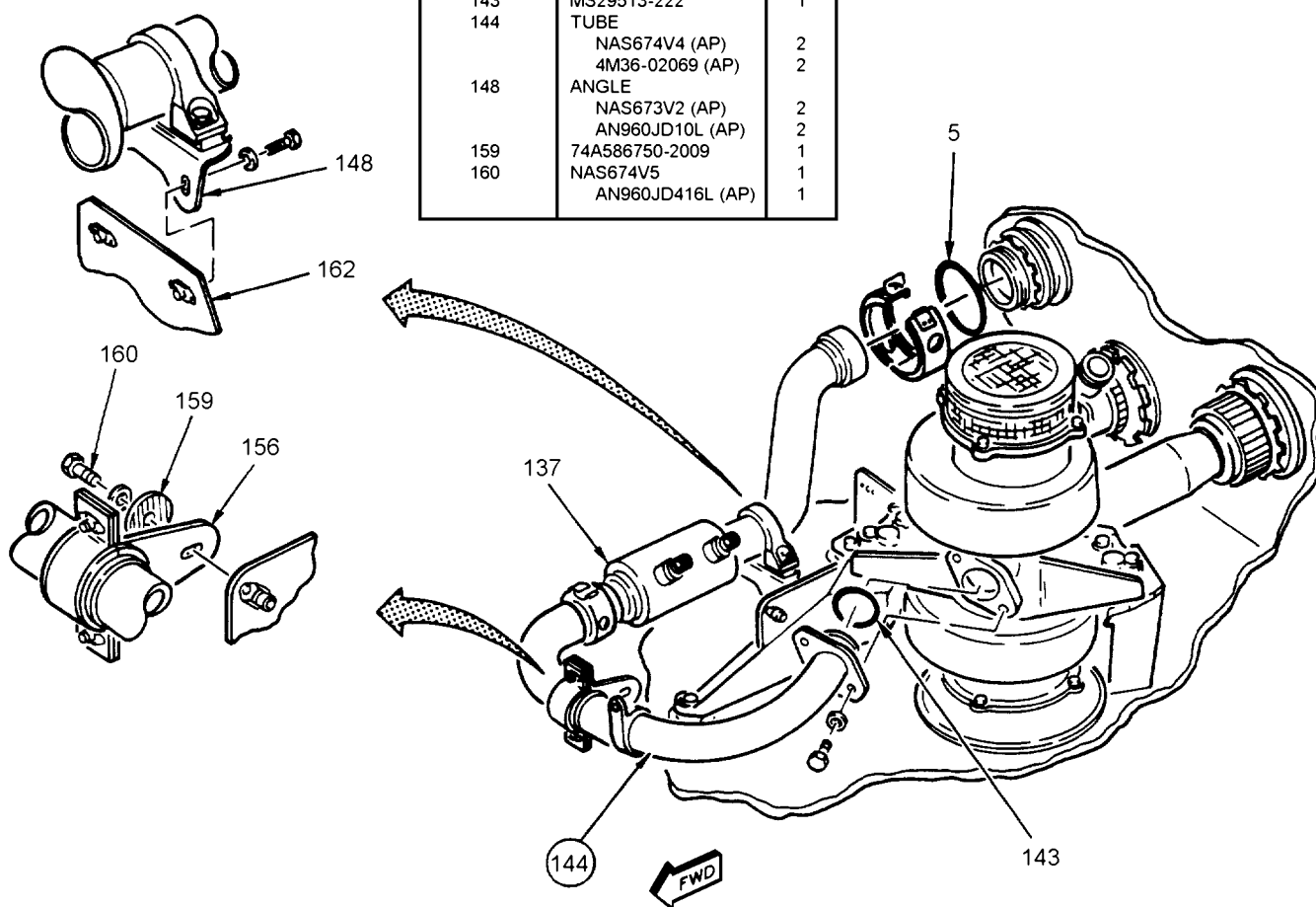
h. Prepare mating surfaces of angle (148) and support (162) for electrical bond (A1-F18AC-LMM-000).

i. Connect angle (148).

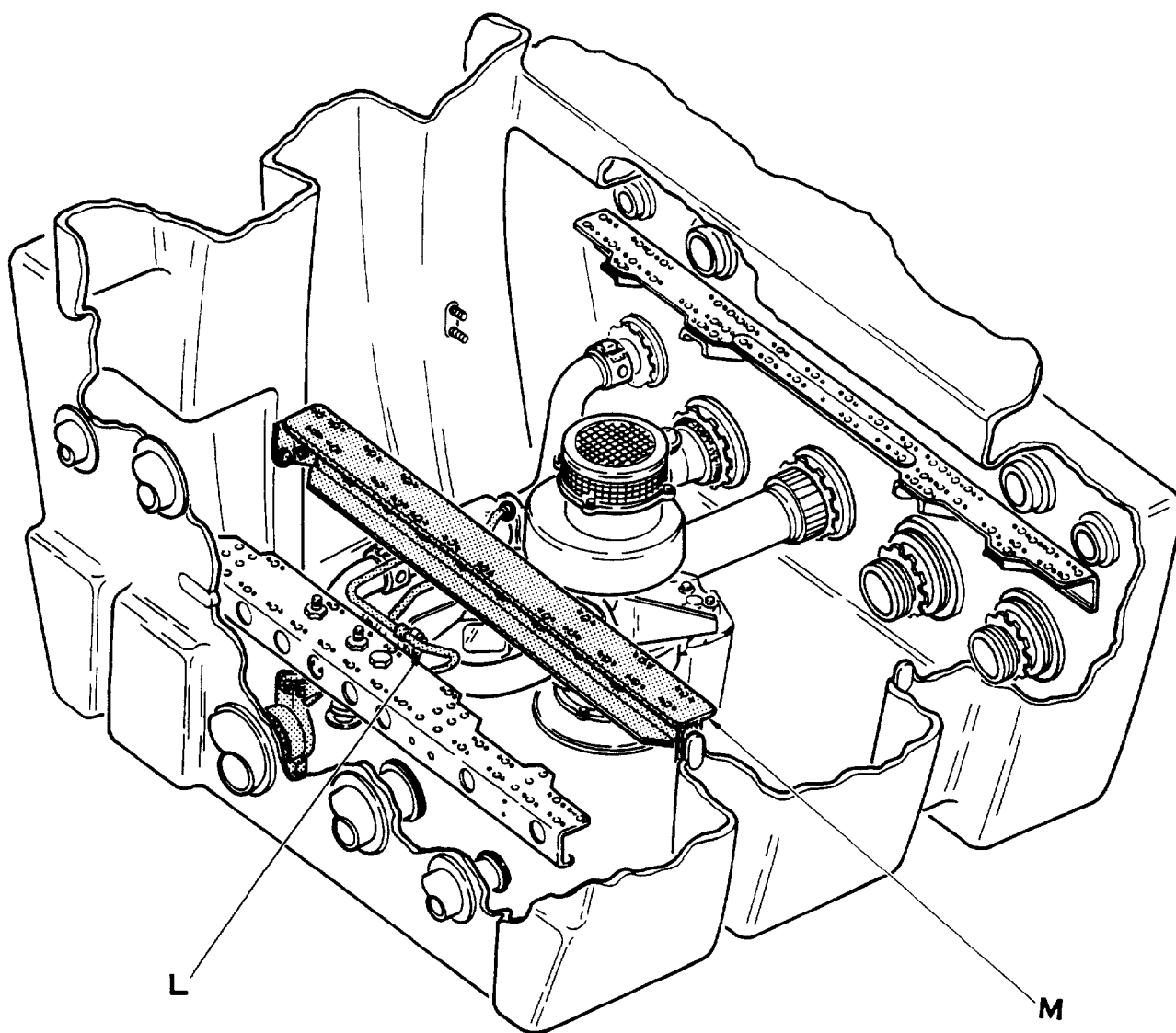
j. Install serrated washer (159) if clamp (156) has serrations.

k. Install bolt (160) and attaching parts.

INDEX NO.	PART NO.	QTY
5	MS29513-222	1
143	MS29513-222	1
144	TUBE	
	NAS674V4 (AP)	2
	4M36-02069 (AP)	2
148	ANGLE	
	NAS673V2 (AP)	2
	AN960JD10L (AP)	2
159	74A586750-2009	1
160	NAS674V5	1
	AN960JD416L (AP)	1



7. SEQUENCE 5.

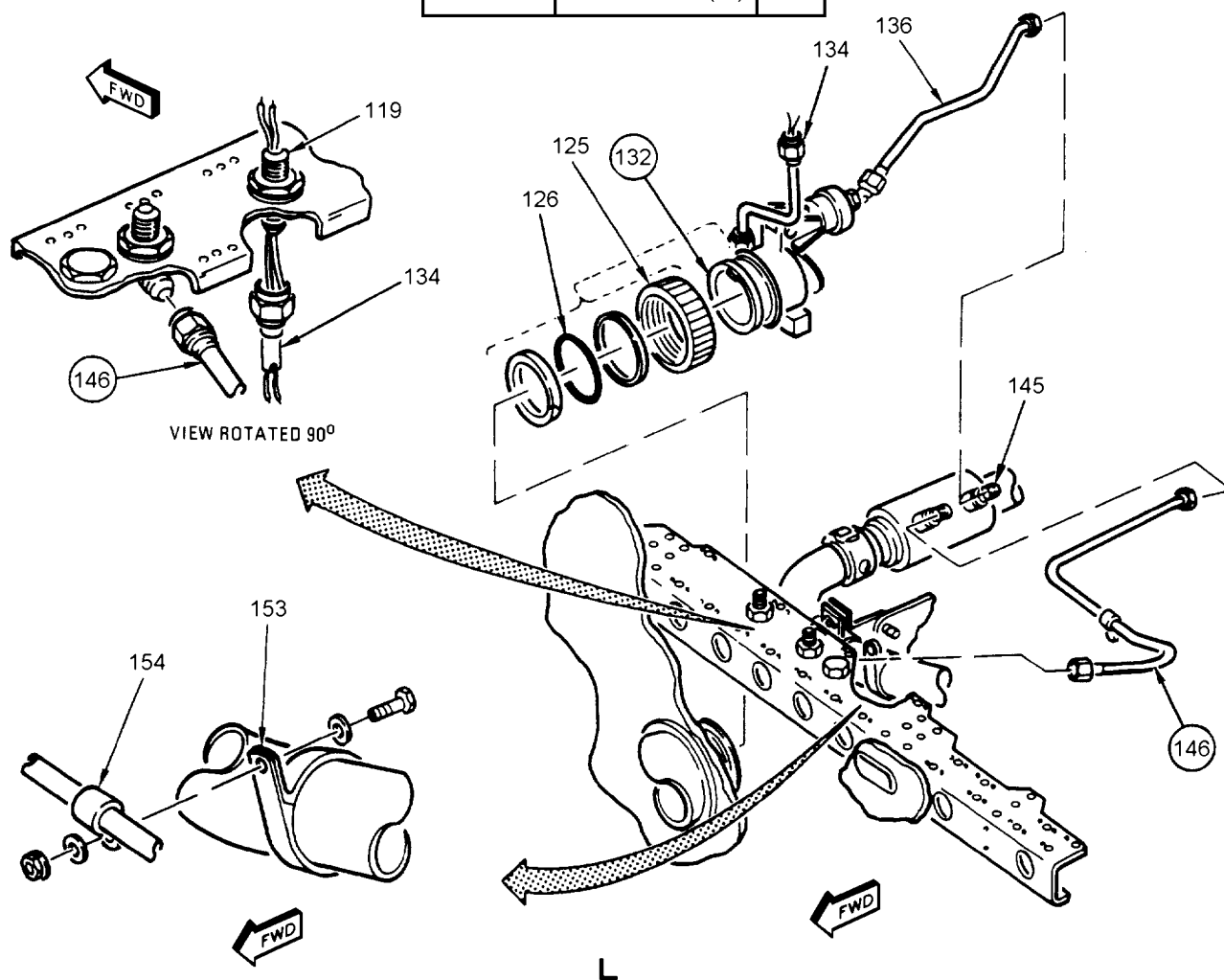


a. Route wires through nipple (119) and install packing (126), valve (132) and related parts.

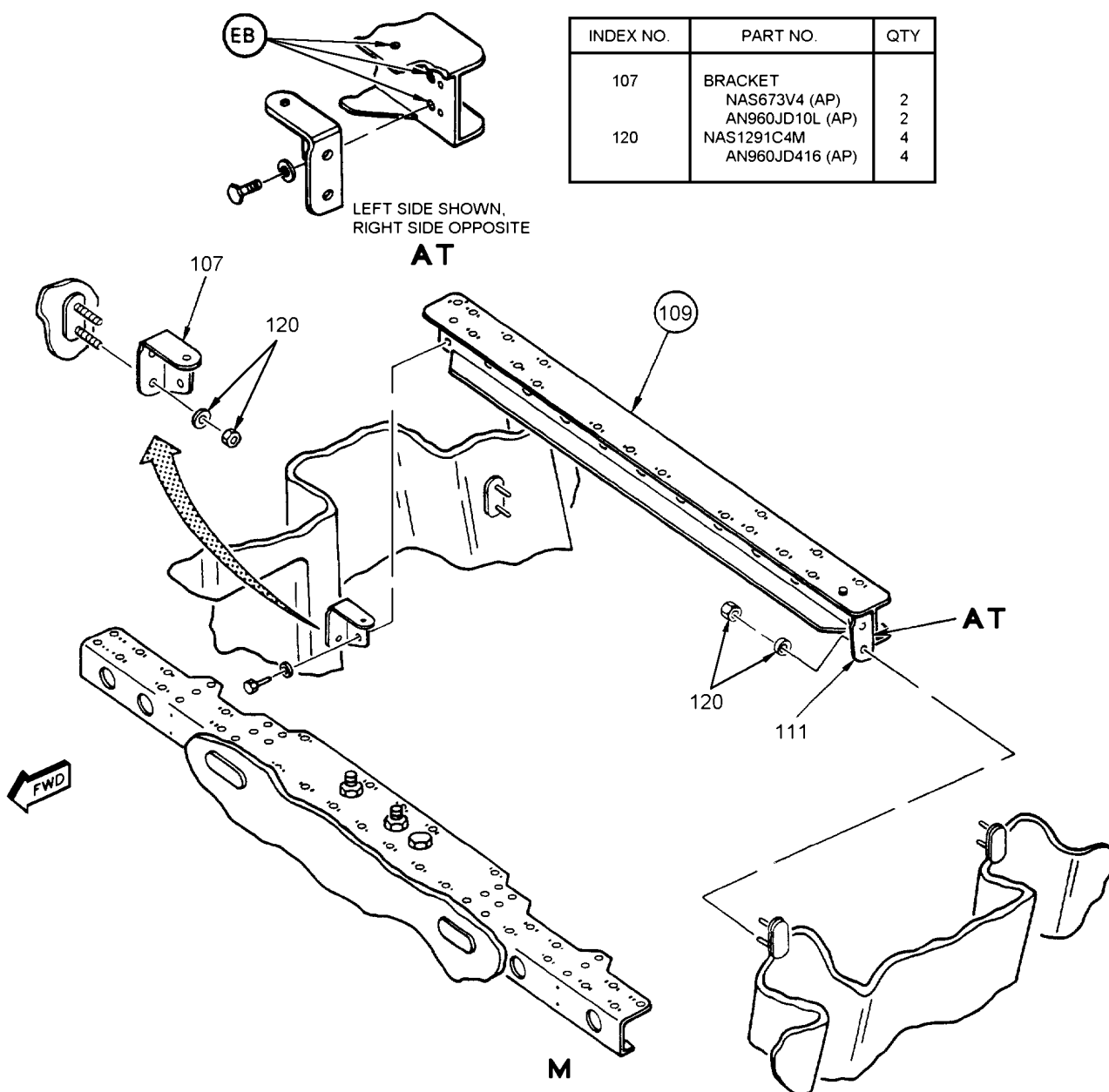
c. Connect clamps (153 and 154) with attaching parts.

b. Connect tubes (134 and 136) and install tube (146). Torque tube (134) 75 to 140 inch-pounds. (QA)

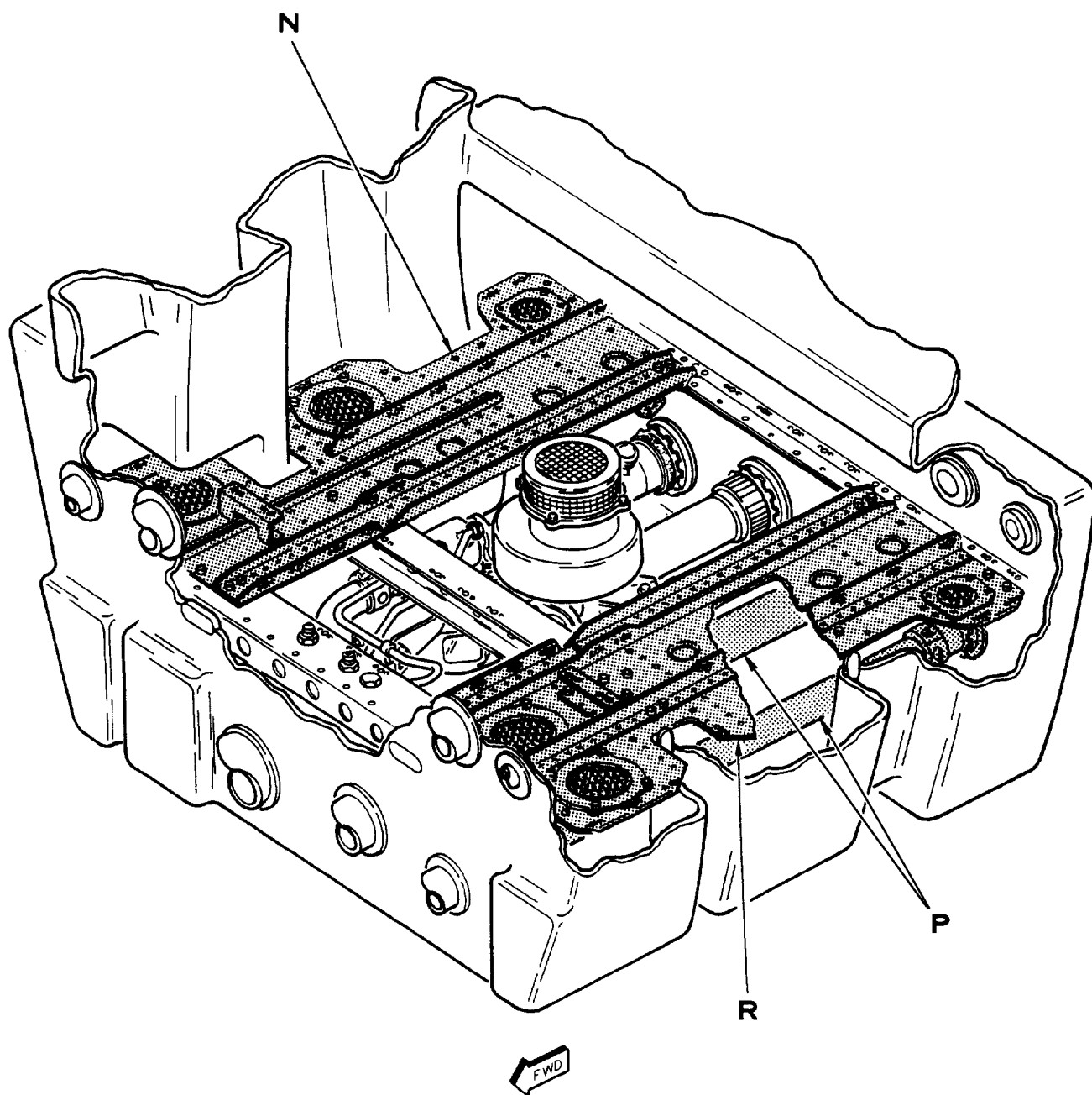
INDEX NO.	PART NO.	QTY
126	MS29513-334	1
154	CLAMP	
	NAS673V3 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	1



d. Position channel (109) and bracket (98), then install bracket (107), nuts (120) and washers, and attaching parts. Torque nuts (120) 50 to 60 inch-pounds. (QA)



8. SEQUENCE 6.

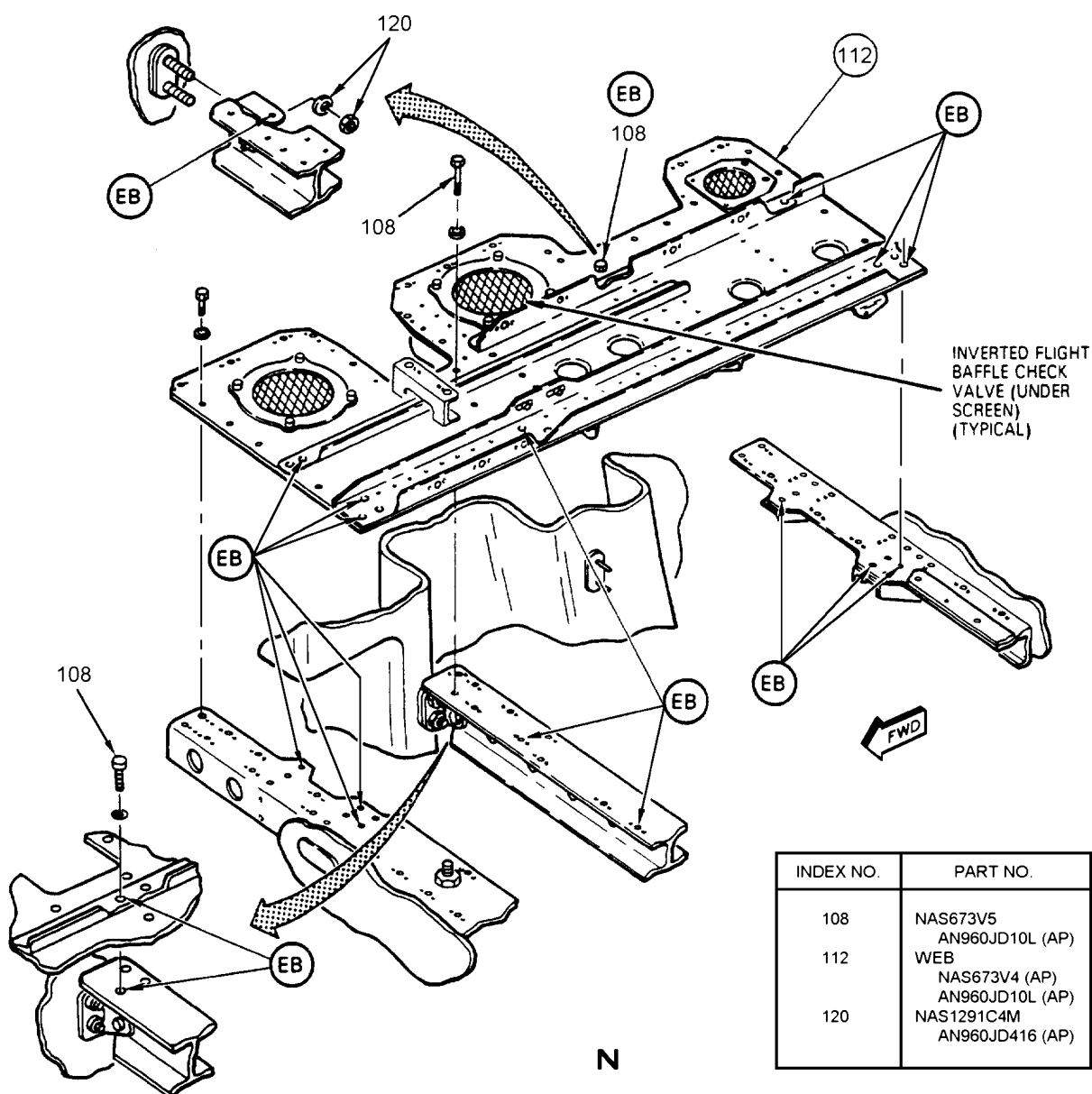


CAUTION

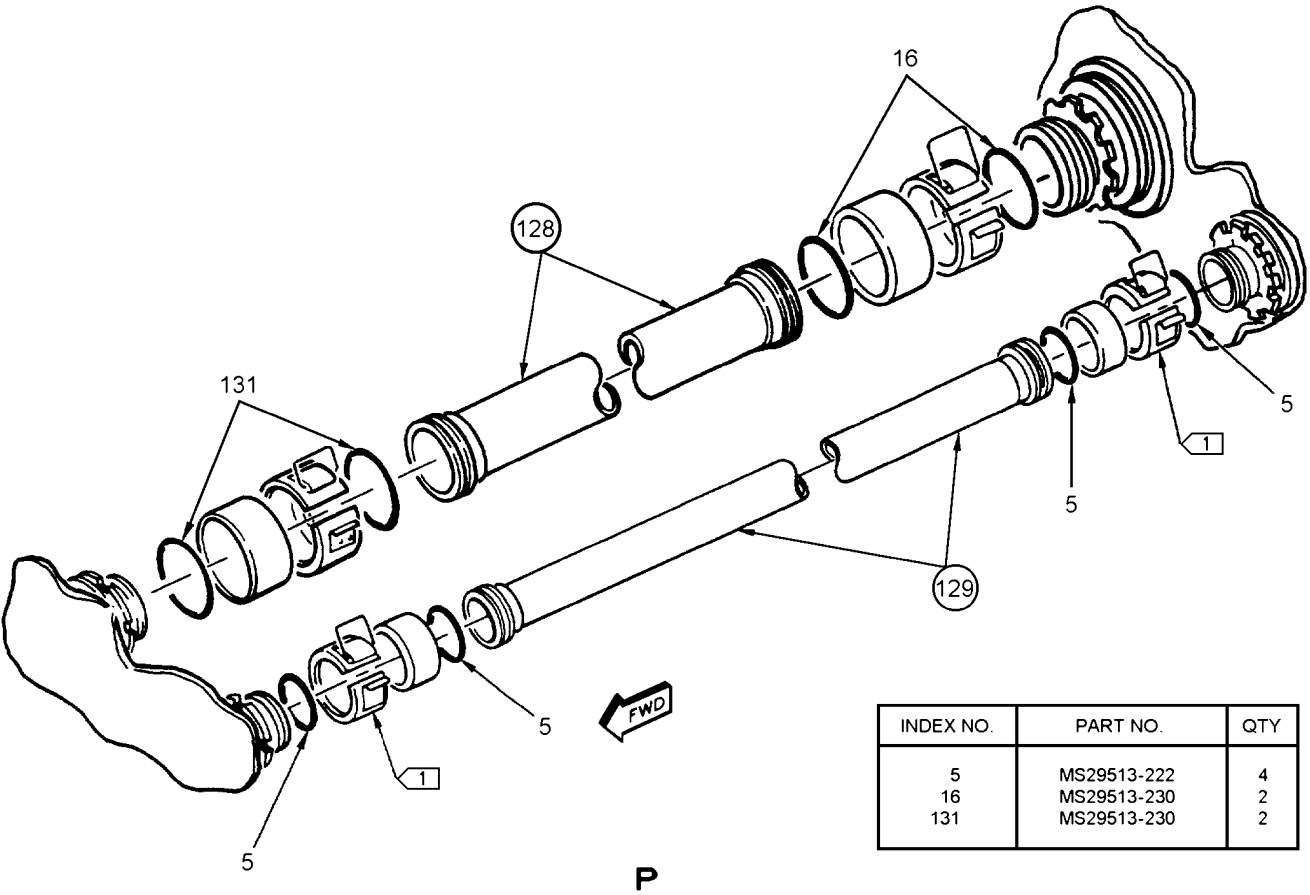
Install web carefully to avoid damaging tank or components.

Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

- a. Position web (112) and install bolt (108), nuts (120) and washers, and attaching parts.



b. Install packings (5, 16, and 131). Install tubes (128 and 129) and related parts.



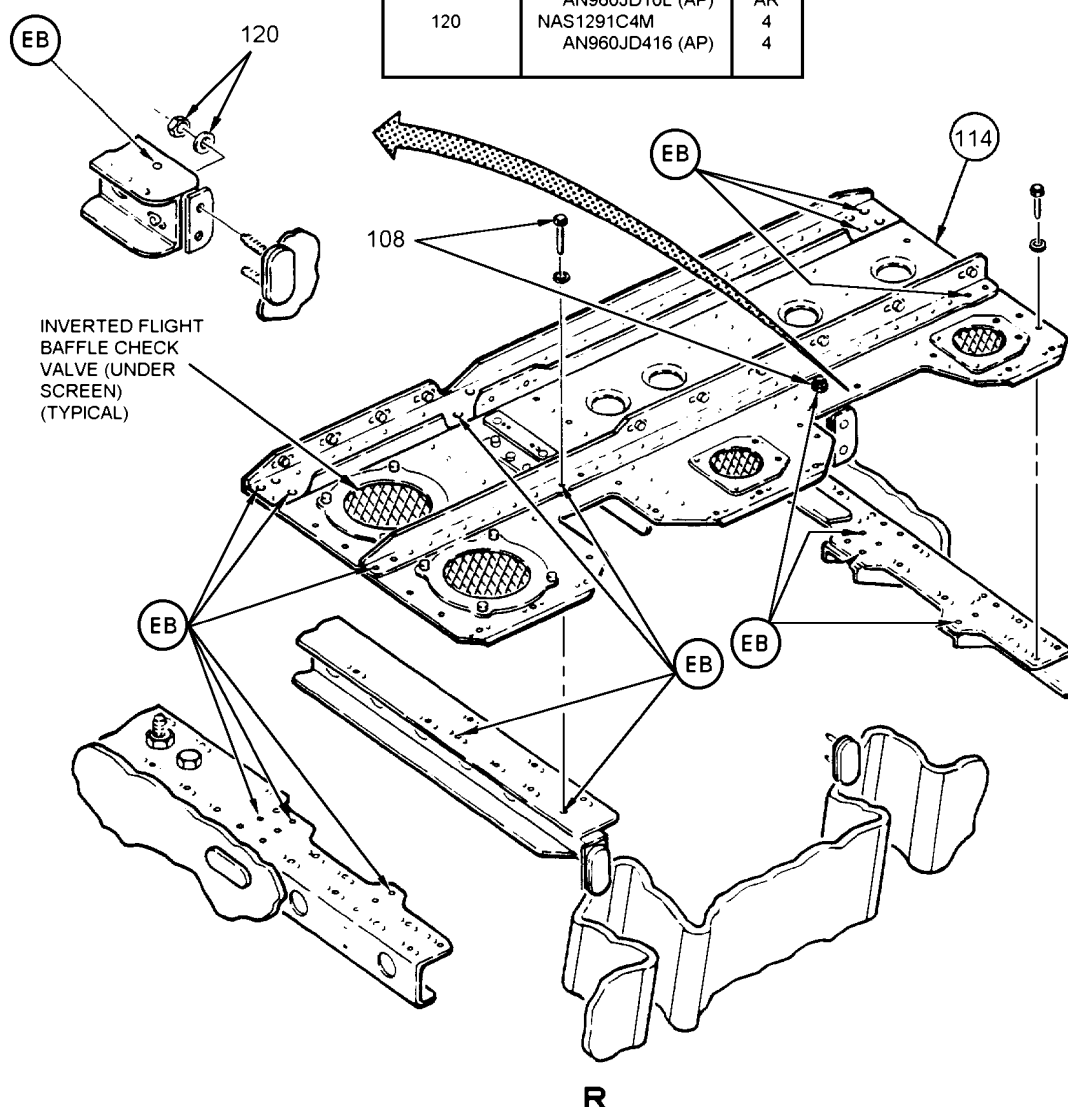


Install web carefully to avoid damaging tank or components.

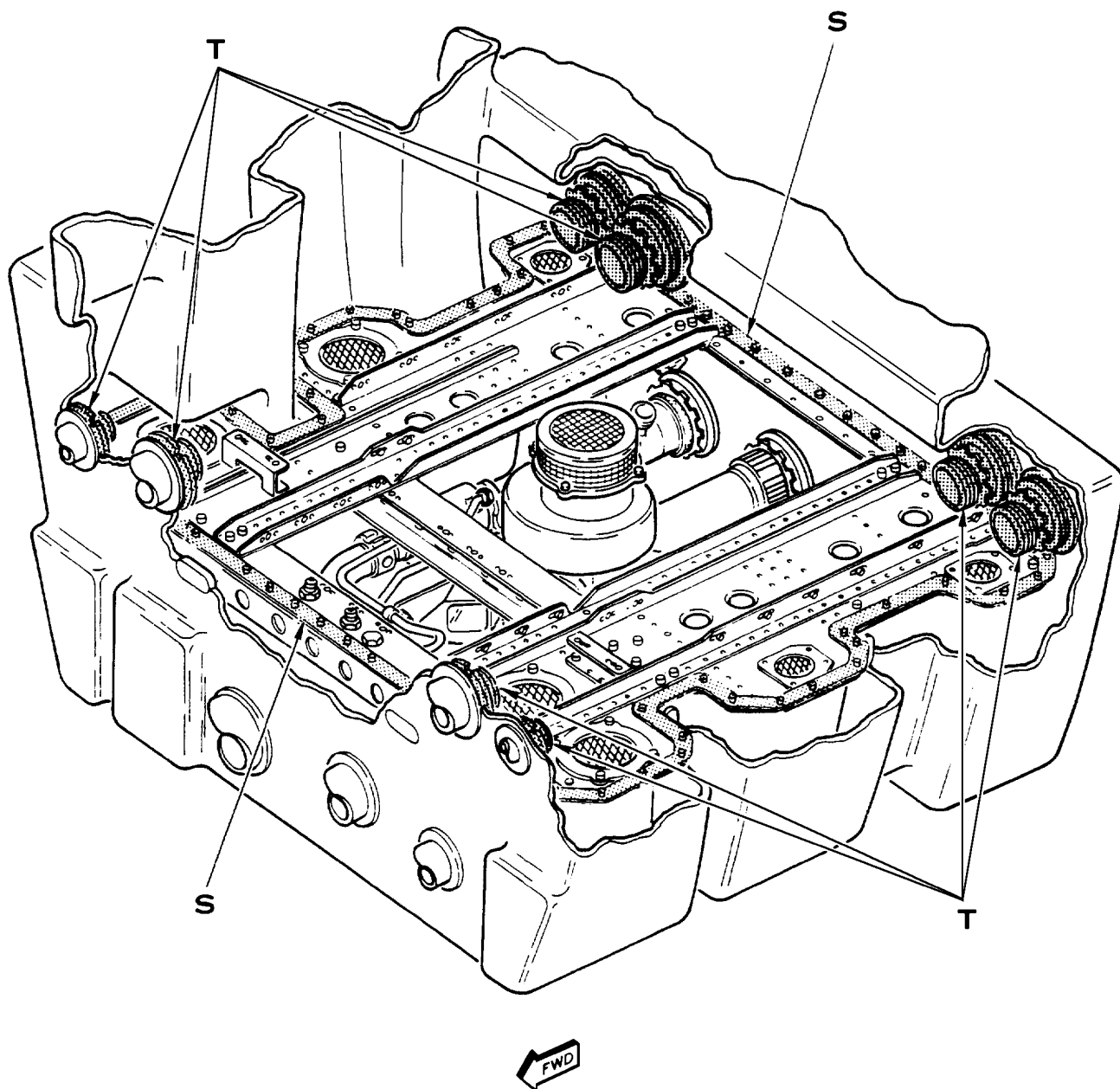
Damage to Inverted Flight Baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

c. Position web (114) and install bolt (108), nuts (120) and washers, and attaching parts.

INDEX NO.	PART NO.	QTY
108	NAS673V5	2
	AN960JD10L (AP)	2
114	WEB	
	NAS673V4 (AP)	AR
	AN960JD10L (AP)	AR
120	NAS1291C4M	4
	AN960JD416 (AP)	4

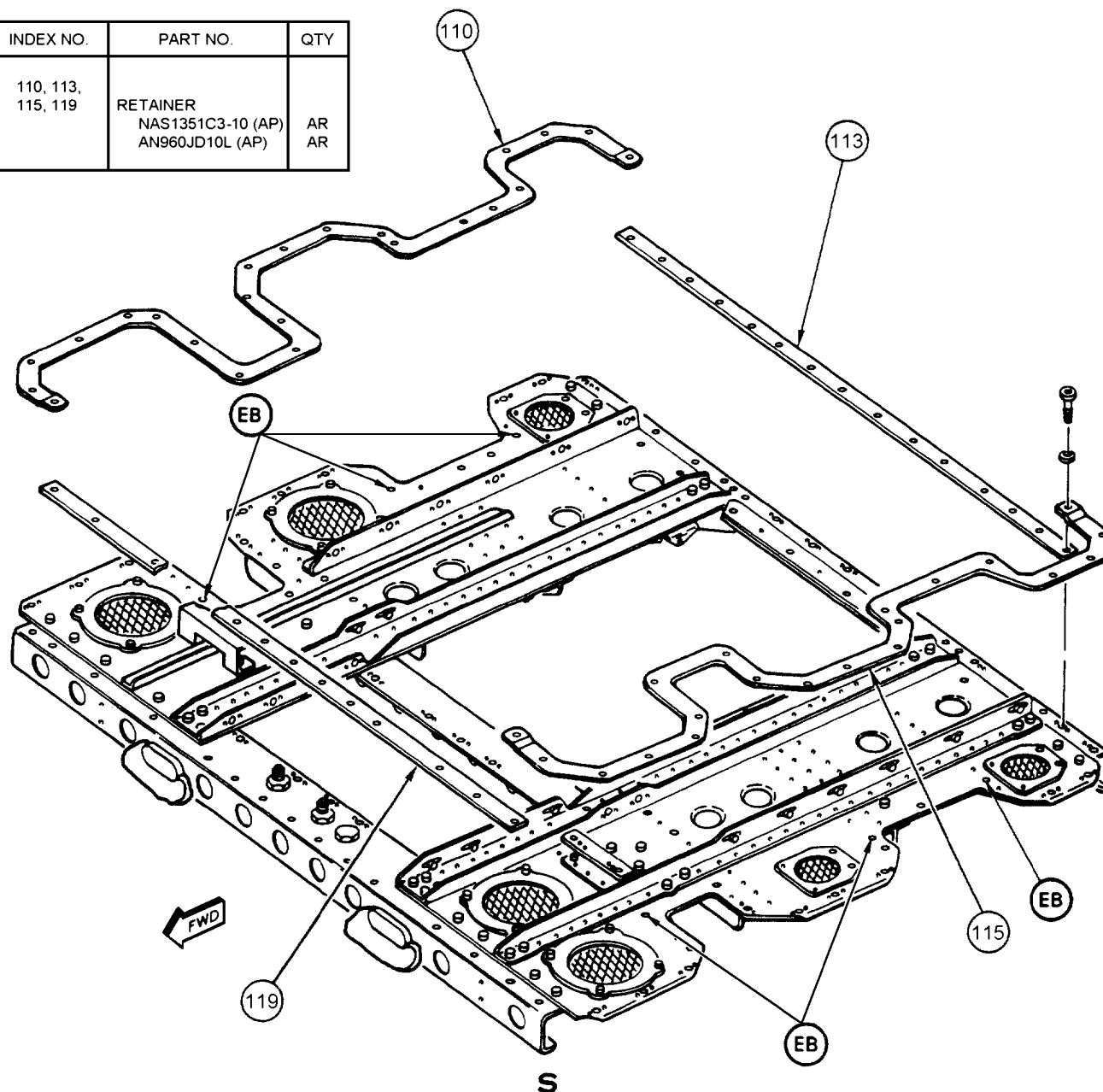


9. SEQUENCE 7.



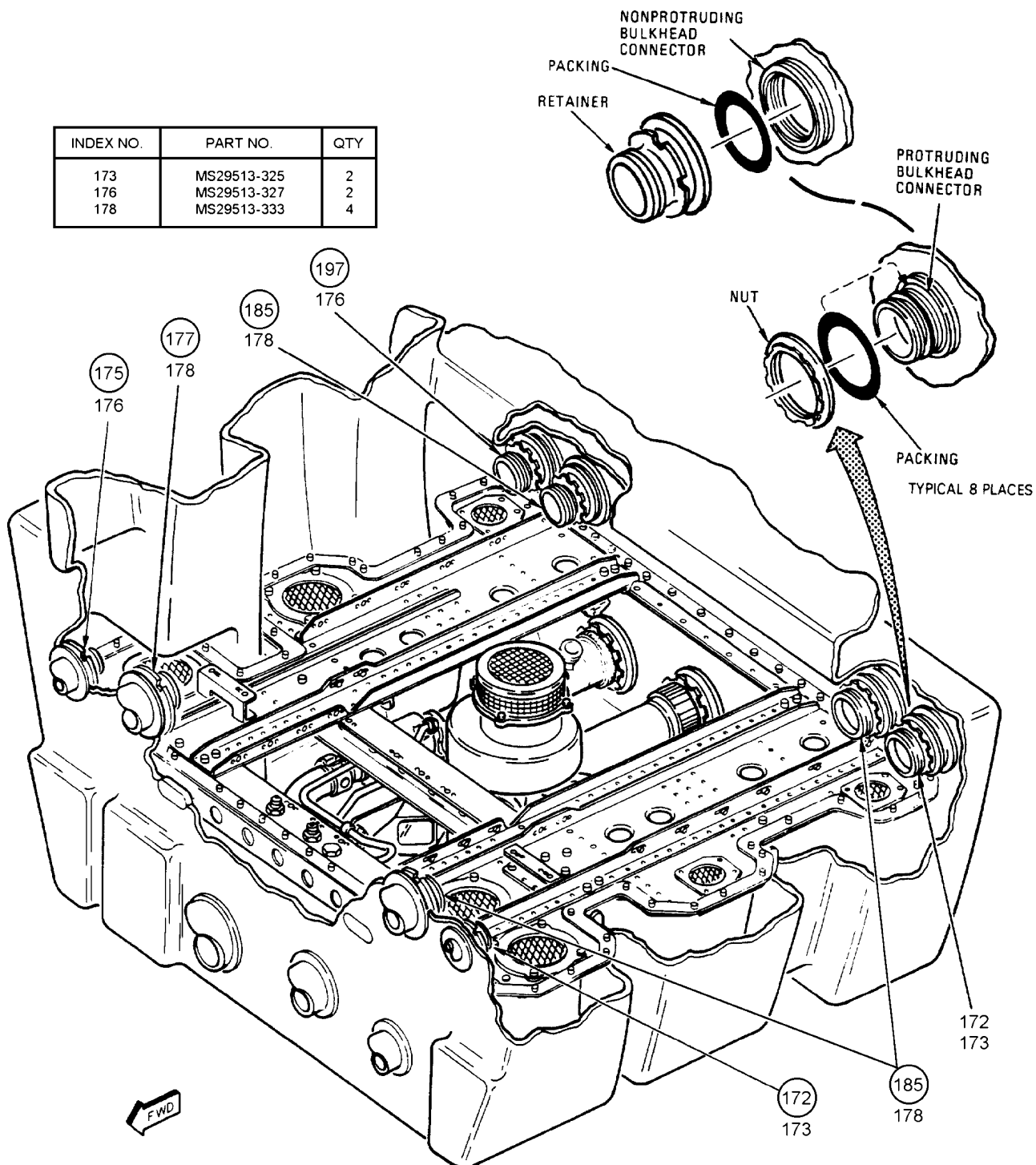
a. Install retainers (110, 113, 115 and 119) and attaching parts.

INDEX NO.	PART NO.	QTY
110, 113, 115, 119	RETAINER NAS1351C3-10 (AP) AN960JD10L (AP)	AR AR

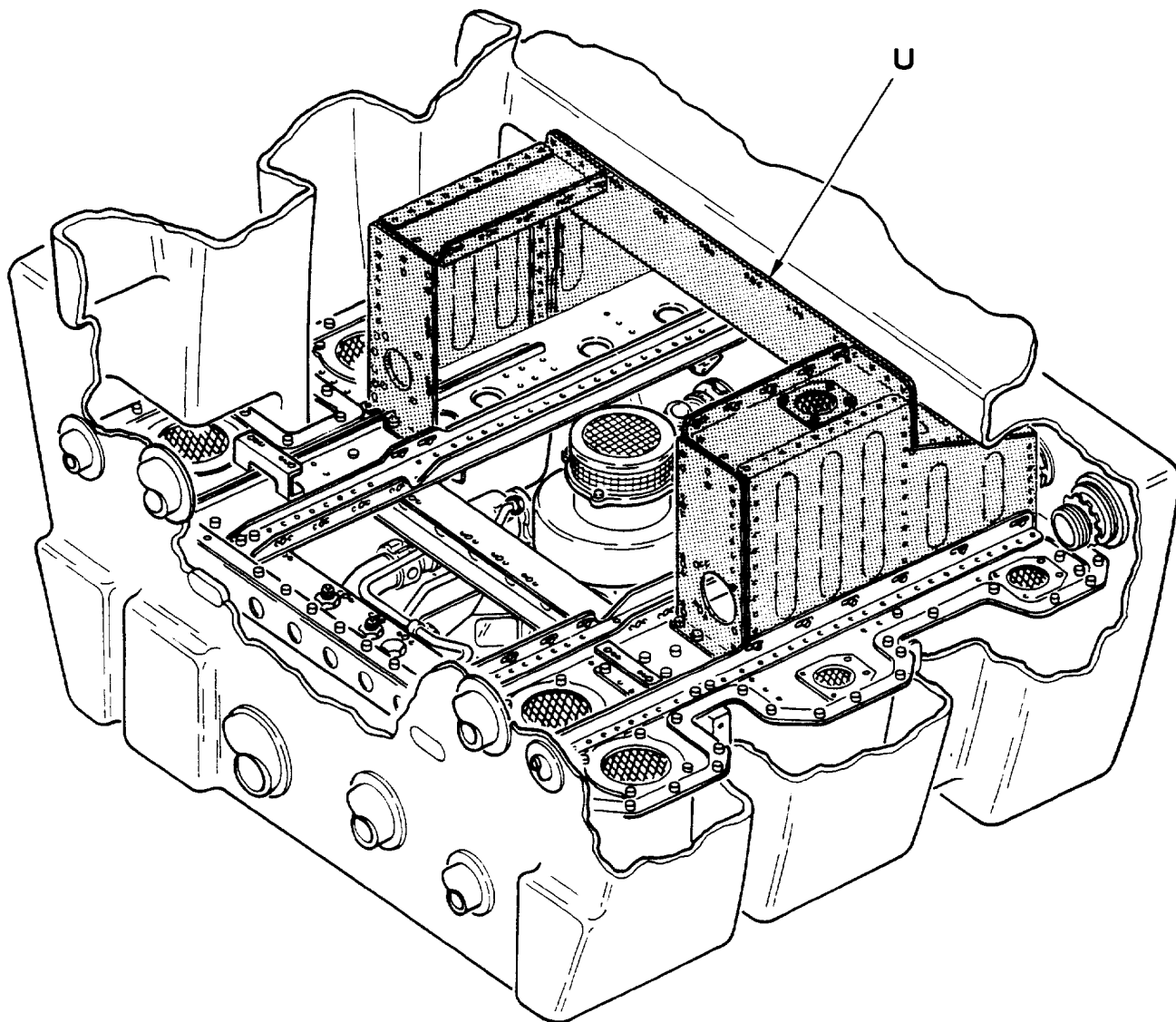


b. Install packings (173, 176 and 178) and nuts or retainers (172, 175 and 177) and verify running torque and final torque (WP013 00).

INDEX NO.	PART NO.	QTY
173	MS29513-325	2
176	MS29513-327	2
178	MS29513-333	4

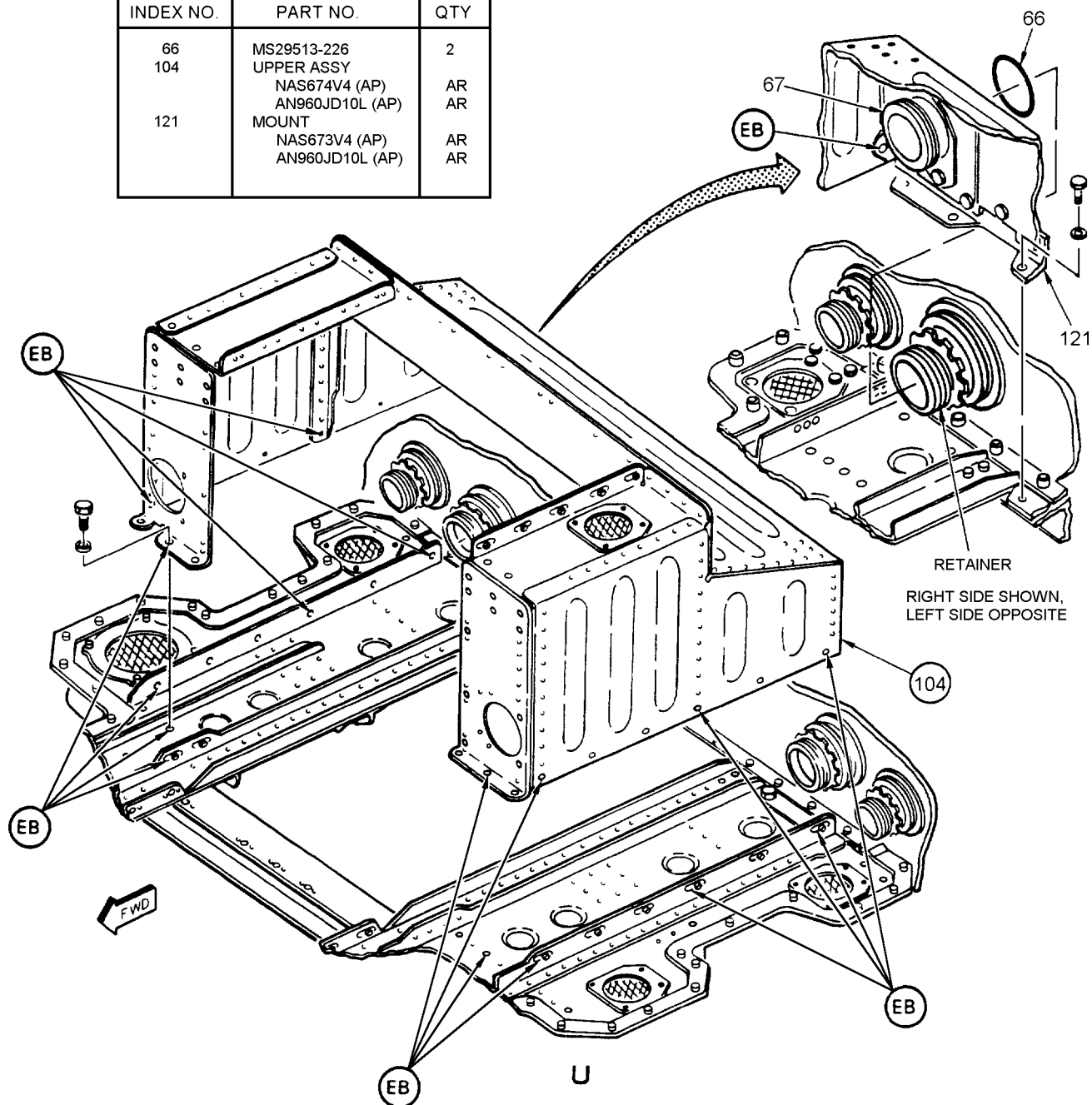


10. SEQUENCE 8.

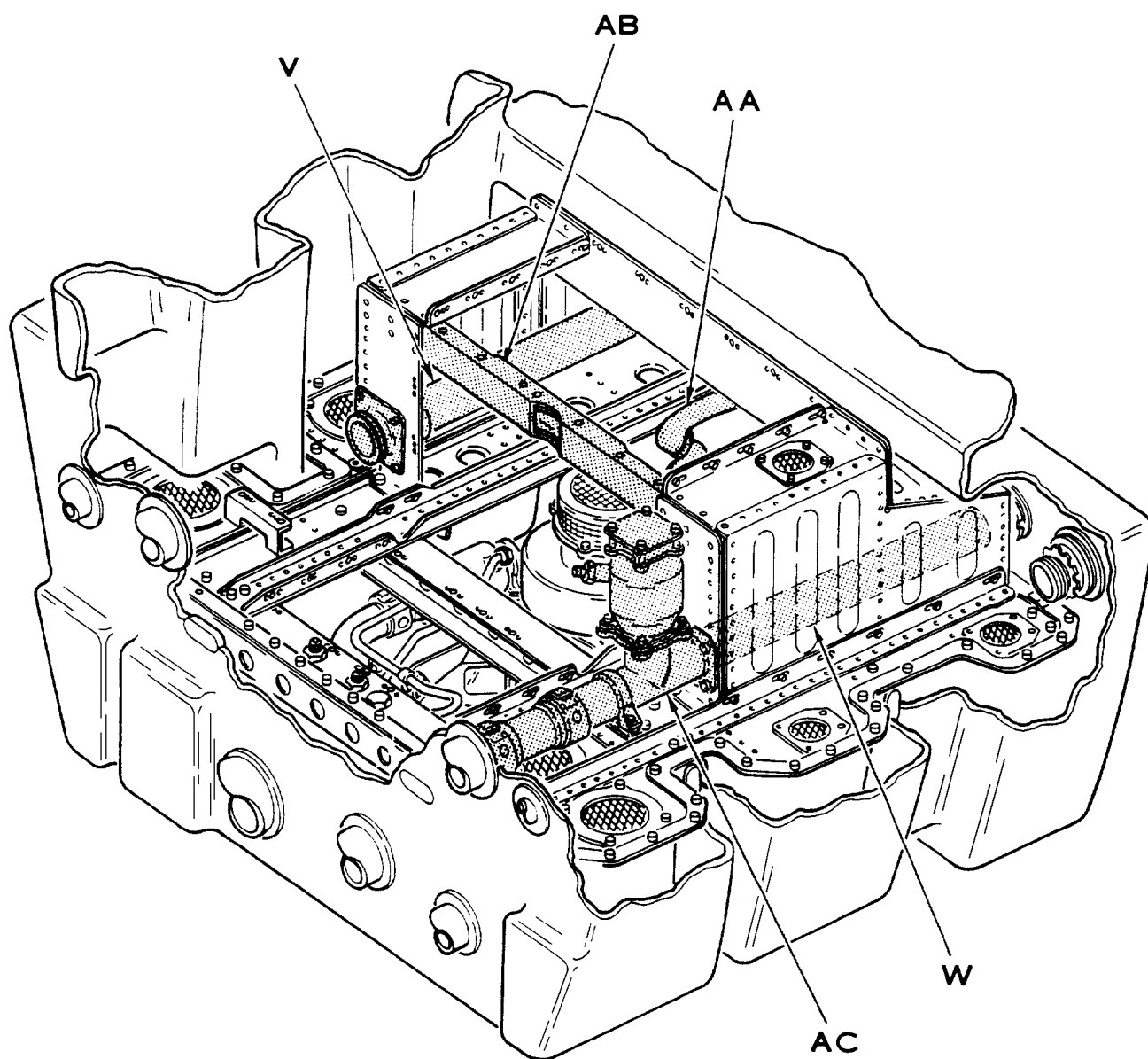


a. Install packings (66) and carefully position connectors (67) on retainers, then install upper panel assembly (104), mount (121) and attaching parts.

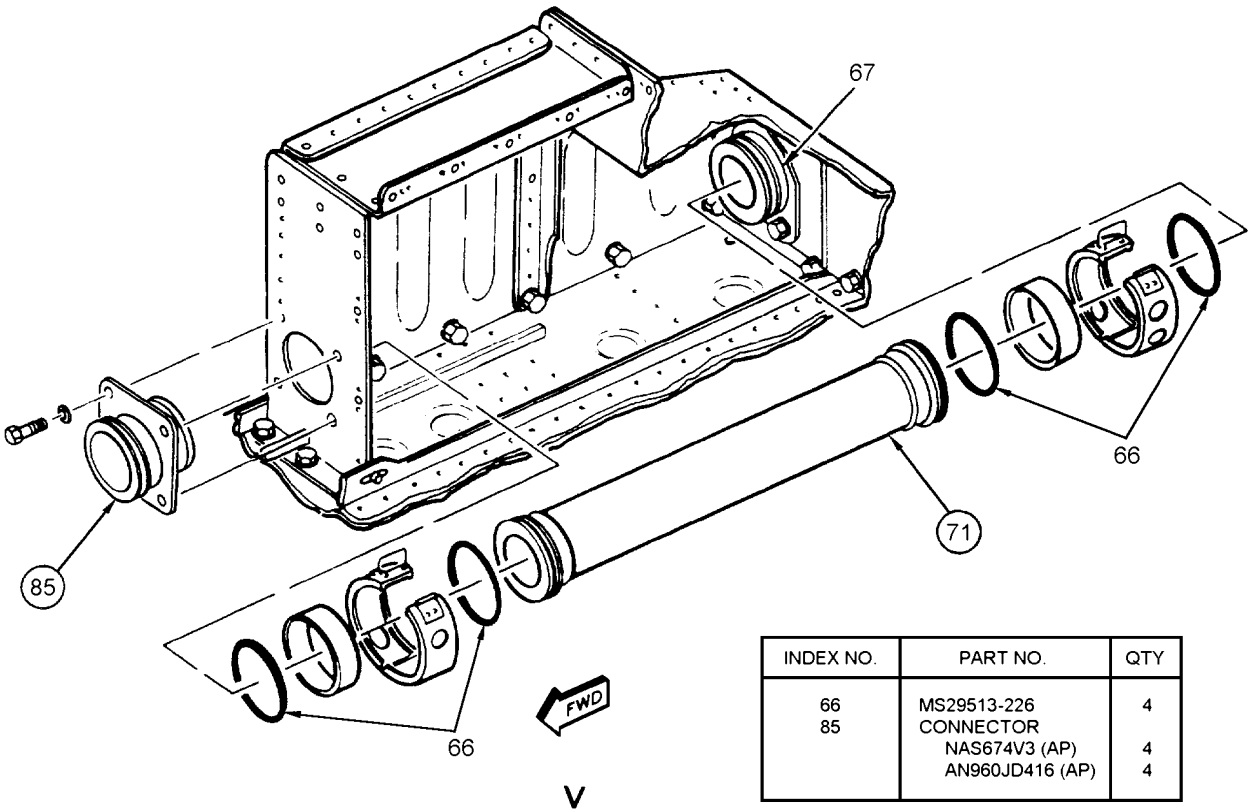
INDEX NO.	PART NO.	QTY
66	MS29513-226	2
104	UPPER ASSY	
	NAS674V4 (AP)	AR
	AN960JD10L (AP)	AR
121	MOUNT	
	NAS673V4 (AP)	AR
	AN960JD10L (AP)	AR



11. SEQUENCE 9.

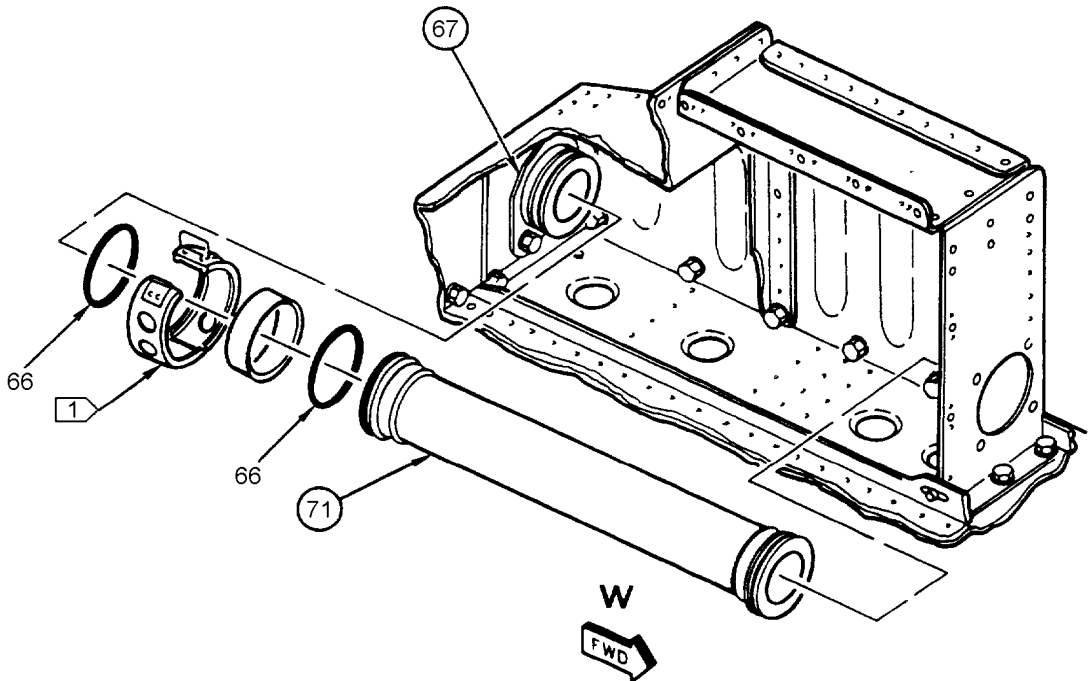


- a. Install connector (85) and attaching parts.
- b. Install packings (66), tube (71) and related parts.



INDEX NO.	PART NO.	QTY
66	MS29513-226	4
85	CONNECTOR	
	NAS674V3 (AP)	4
	AN960JD416 (AP)	4

c. Install packings (66) and tube (71) and related parts.

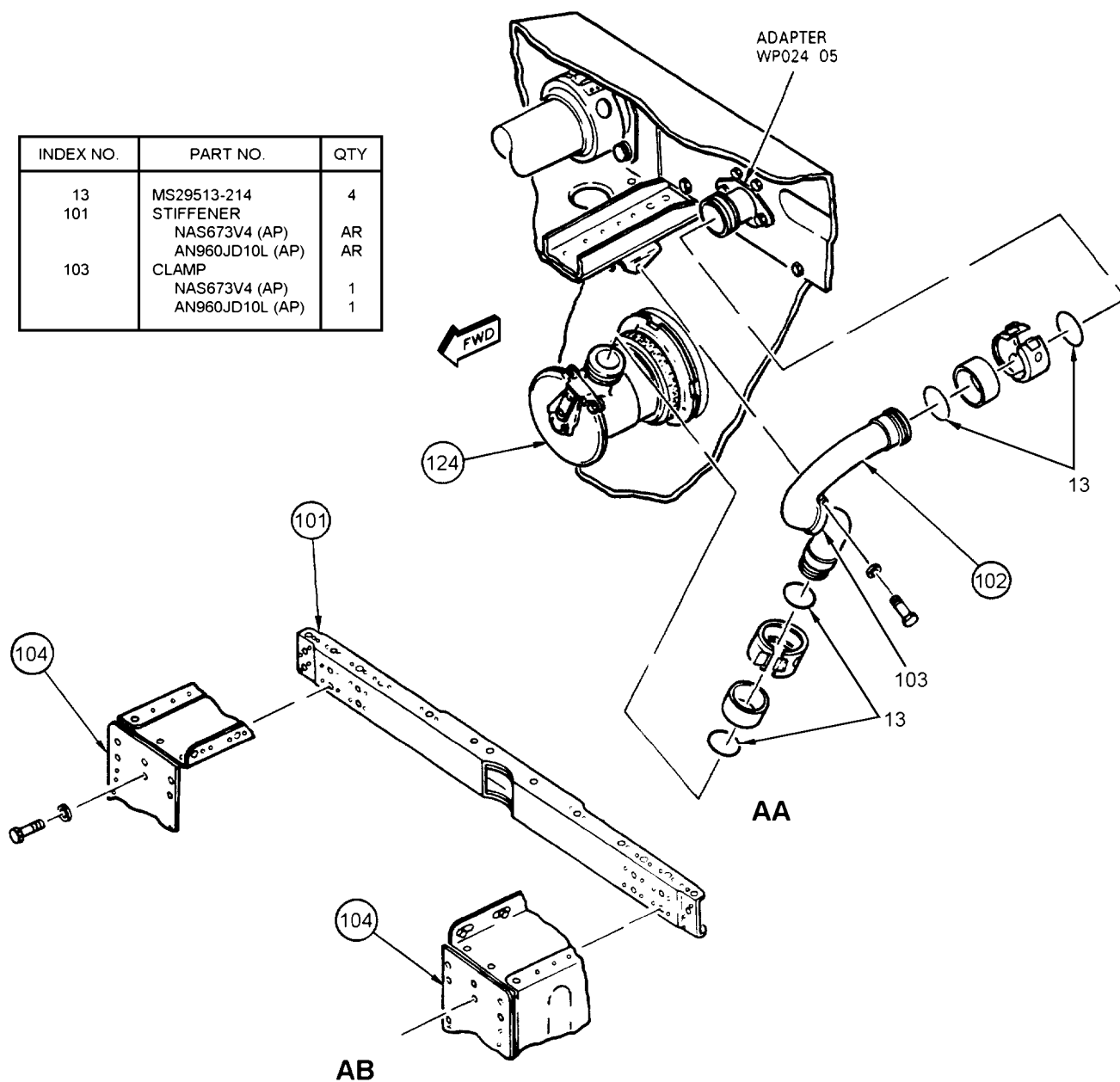


INDEX NO.	PART NO	QTY
66	MS29513-226	2

d. Install packings (13), tube (102), clamp (103) and related parts.

e. Install stiffener (101) and attaching parts.

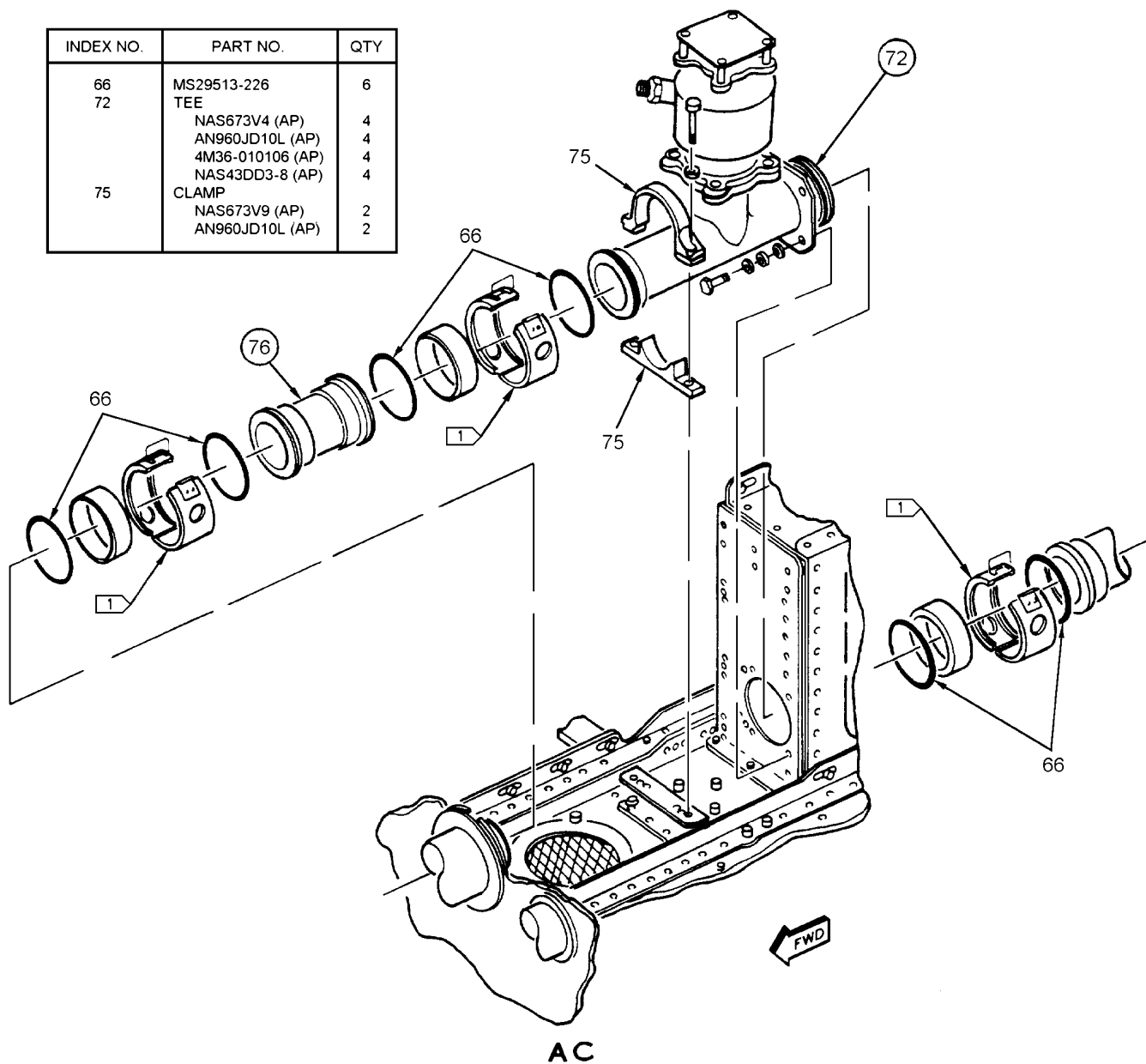
INDEX NO.	PART NO.	QTY
13	MS29513-214	4
101	STIFFENER	
	NAS673V4 (AP)	AR
	AN960JD10L (AP)	AR
103	CLAMP	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	1



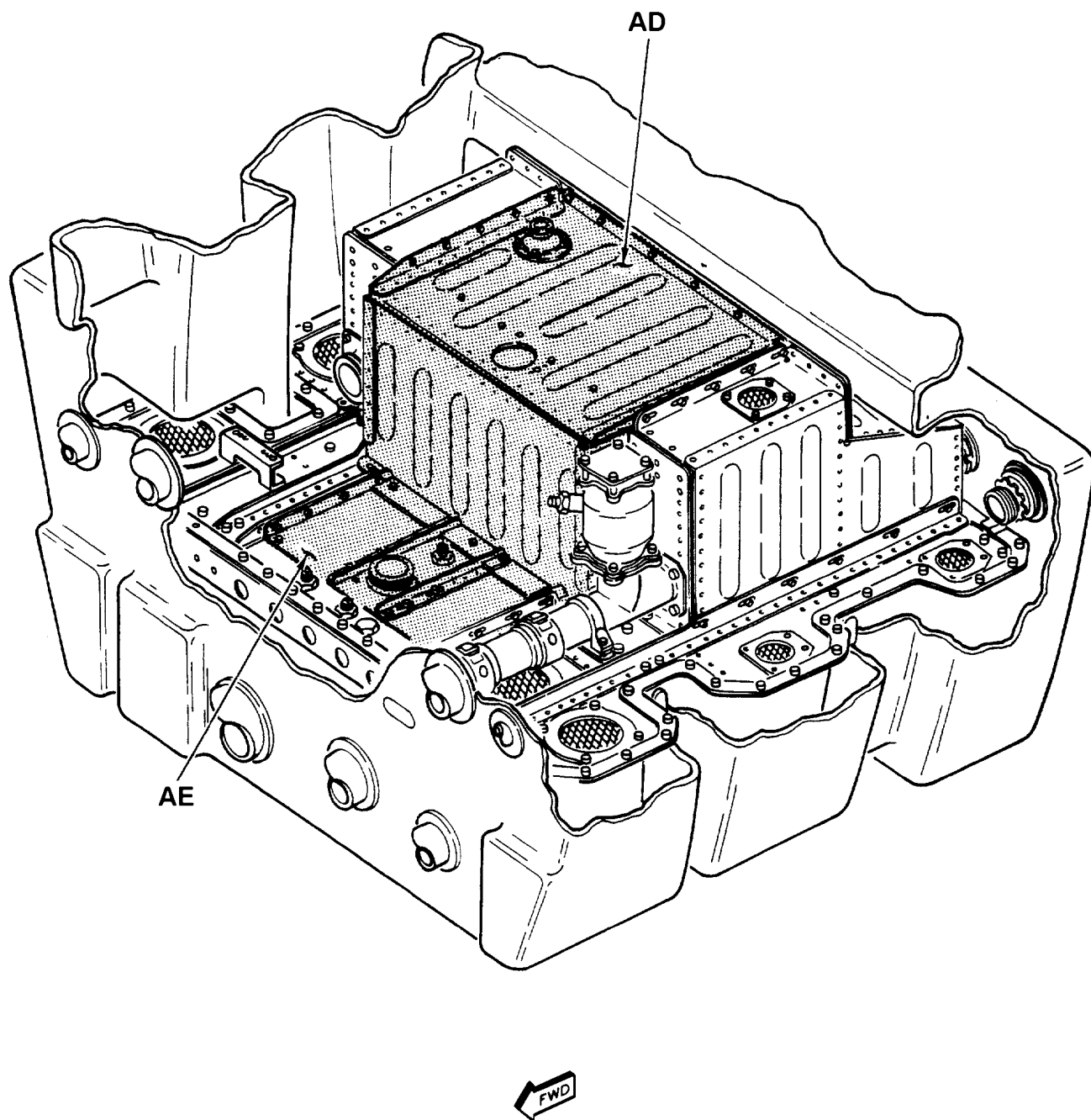
f. Install tee (72), clamp (75) and attaching parts.

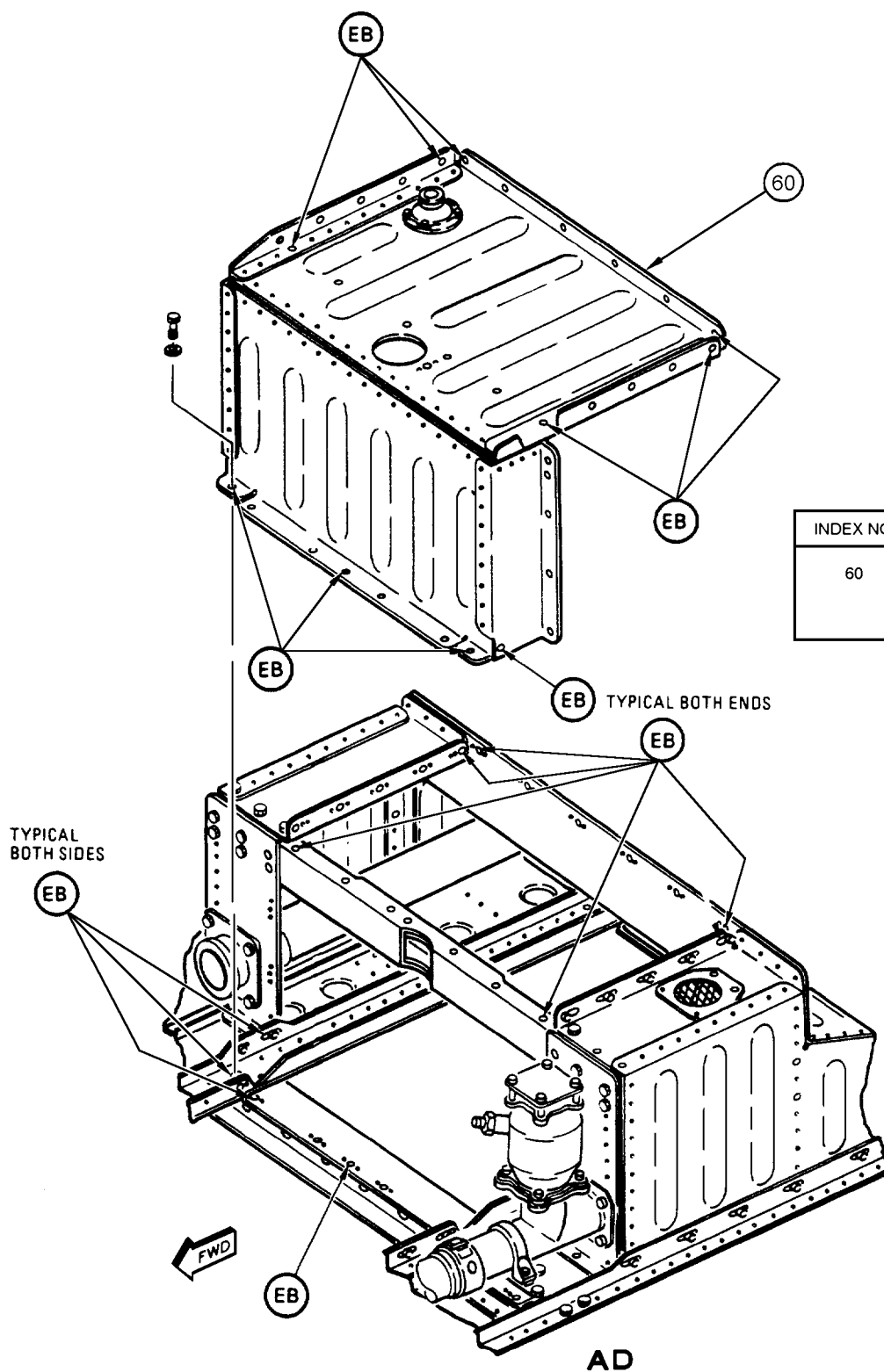
g. Install packings (66), tube (76) and related parts.

INDEX NO.	PART NO.	QTY
66	MS29513-226	6
72	TEE	
	NAS673V4 (AP)	4
	AN960JD10L (AP)	4
	4M36-010106 (AP)	4
	NAS43DD3-8 (AP)	4
75	CLAMP	
	NAS673V9 (AP)	2
	AN960JD10L (AP)	2



12. SEQUENCE 10.

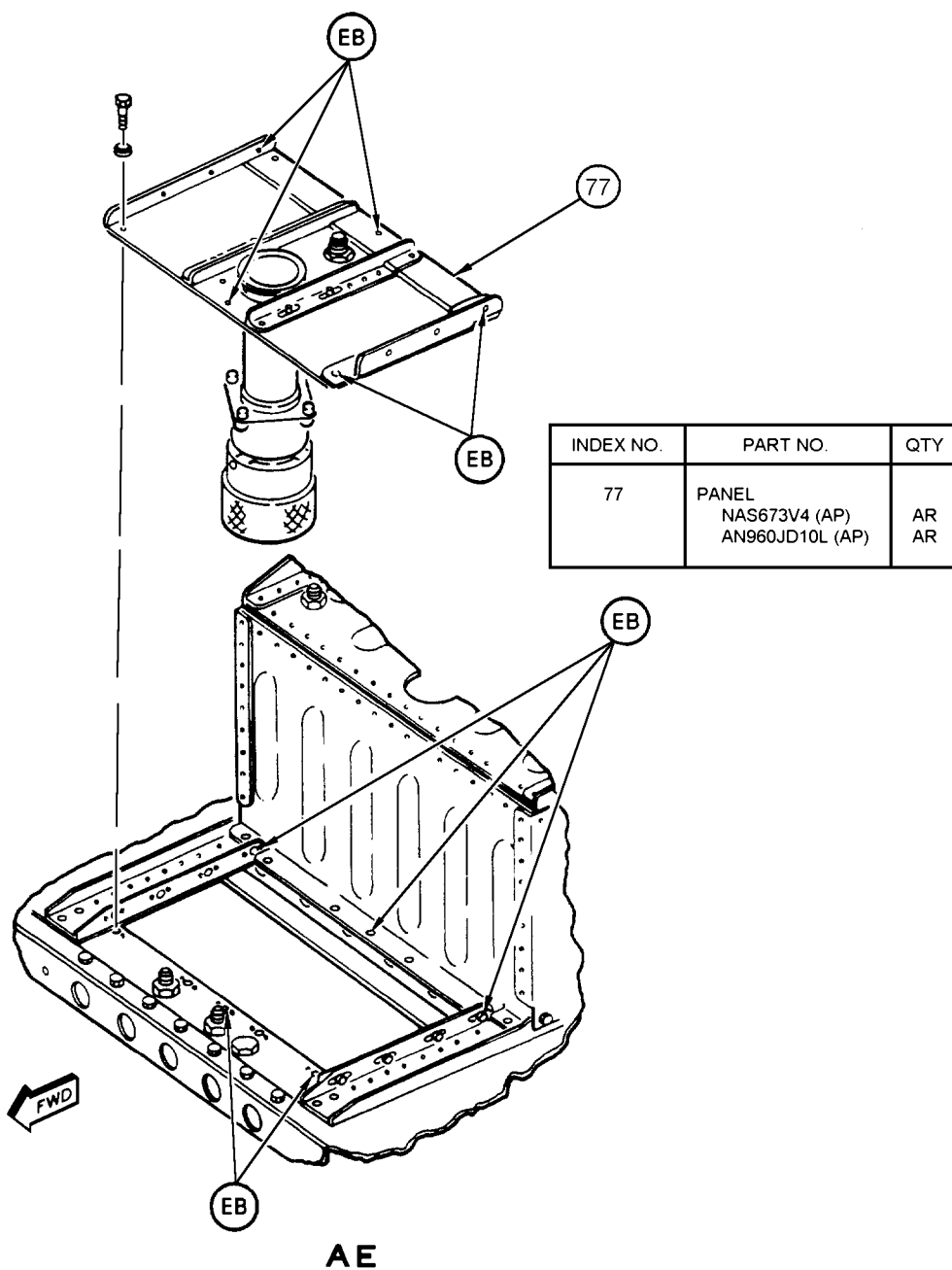




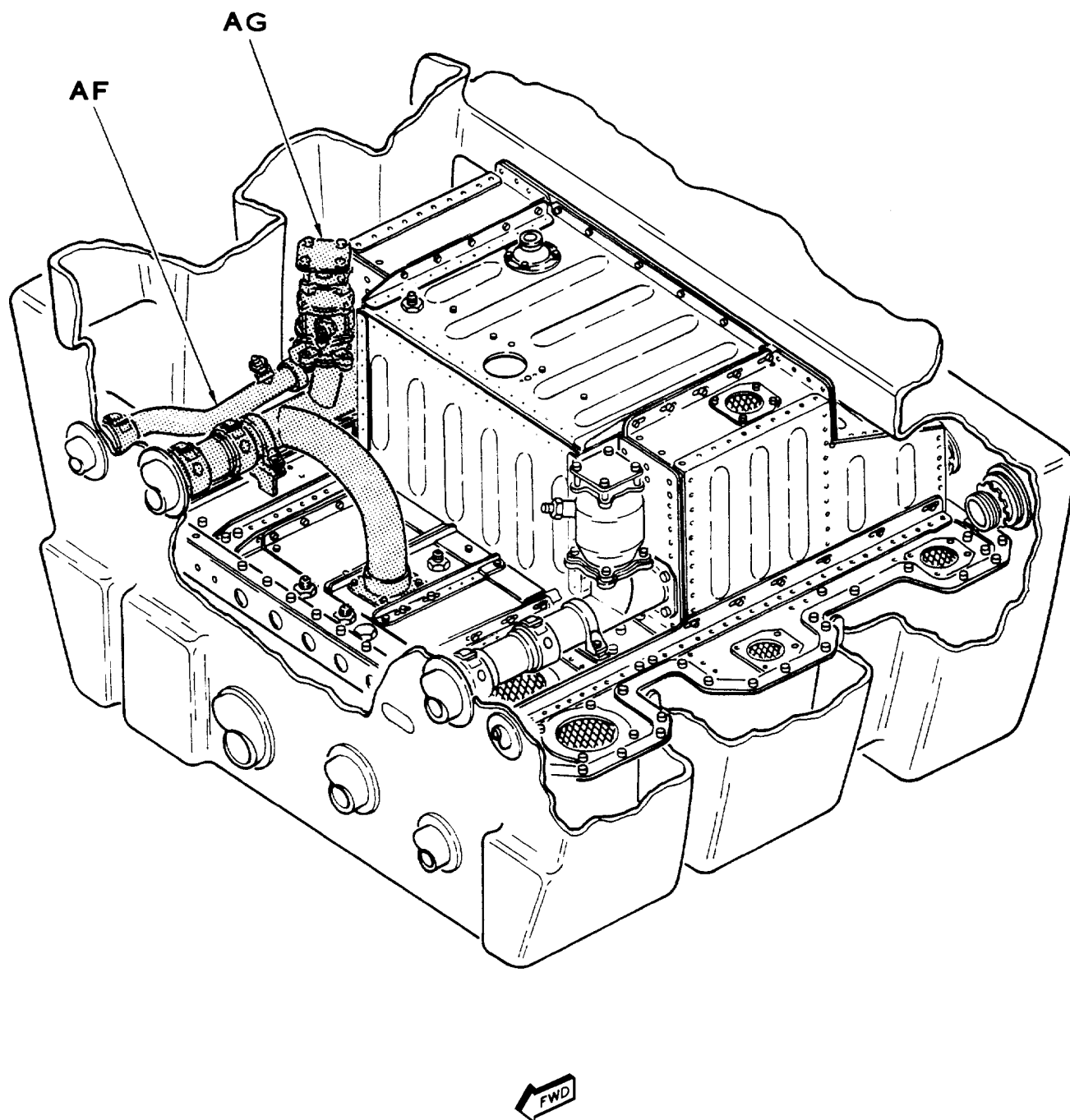
INDEX NO.	PART NO.	QTY
60	PANEL NAS673V4 (AP) AN960JD10L (AP)	AR AR

a. Inspect for and remove any foreign objects below baffle. (QA)

b. Carefully position panel (77) and install attaching parts.

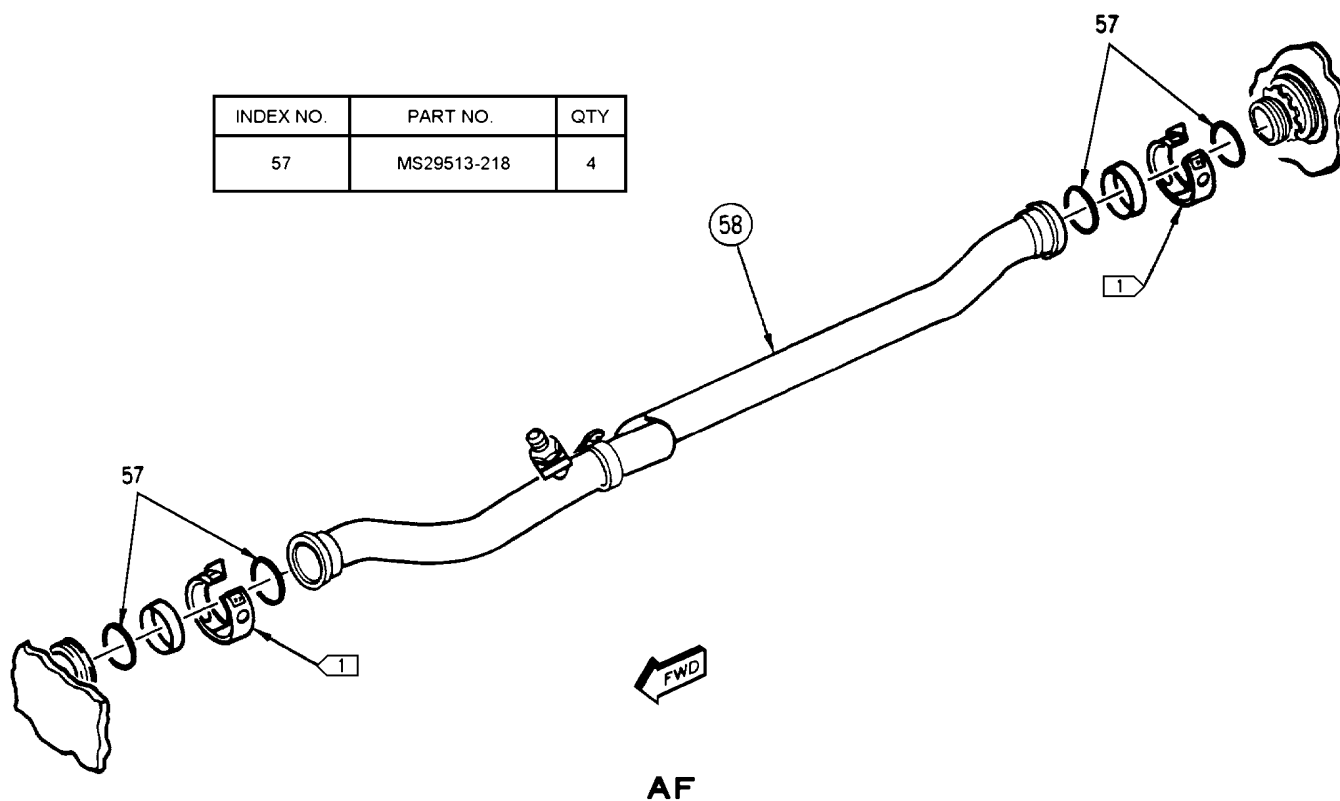


13. SEQUENCE 11.



a. Install packings (57), tube (58) and related parts.

INDEX NO.	PART NO.	QTY
57	MS29513-218	4

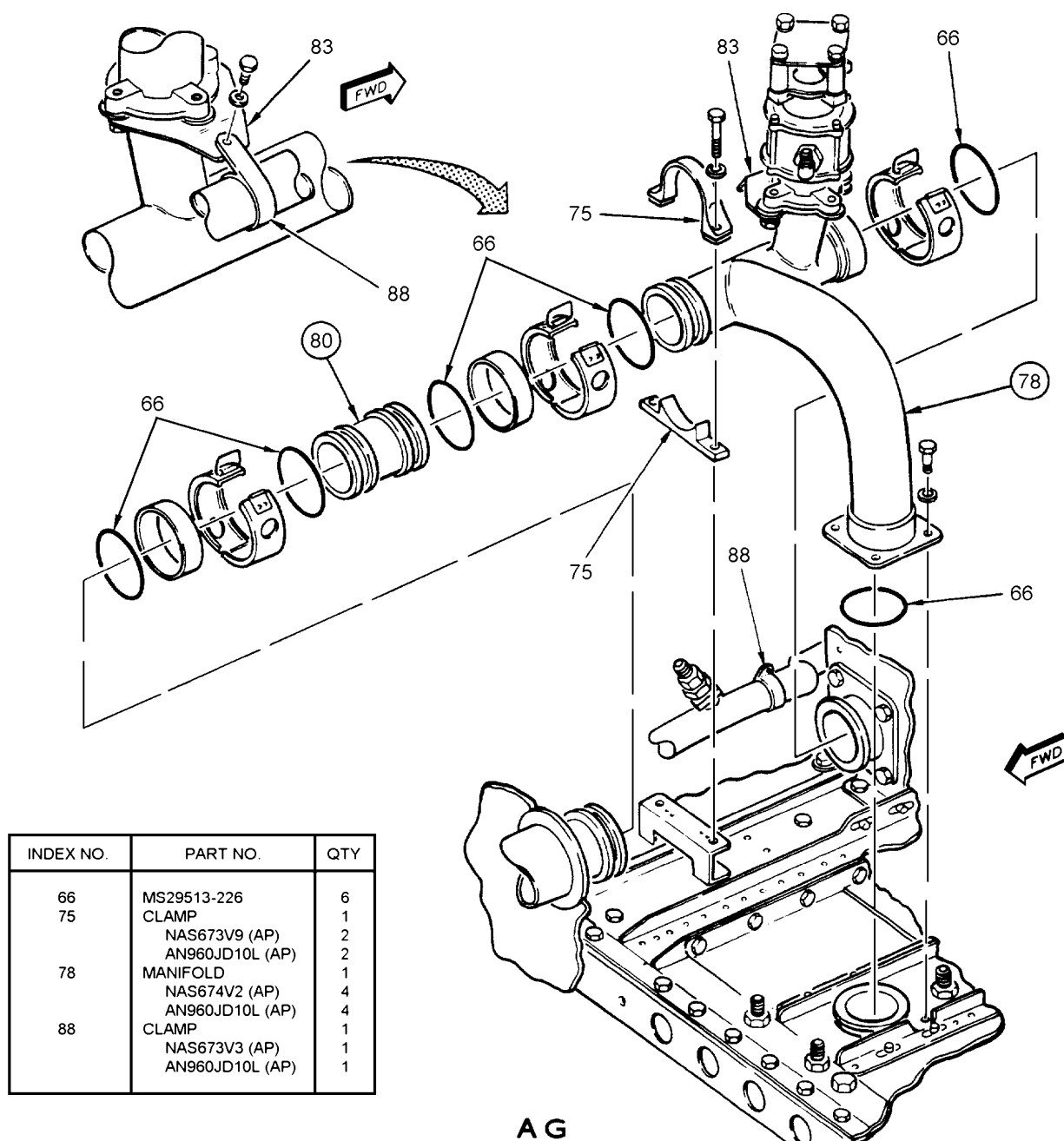


b. Prepare mating surfaces of baffle, manifold (78), clamp (75) and attaching parts for electrical bond (A1-F18AC-LMM-000).

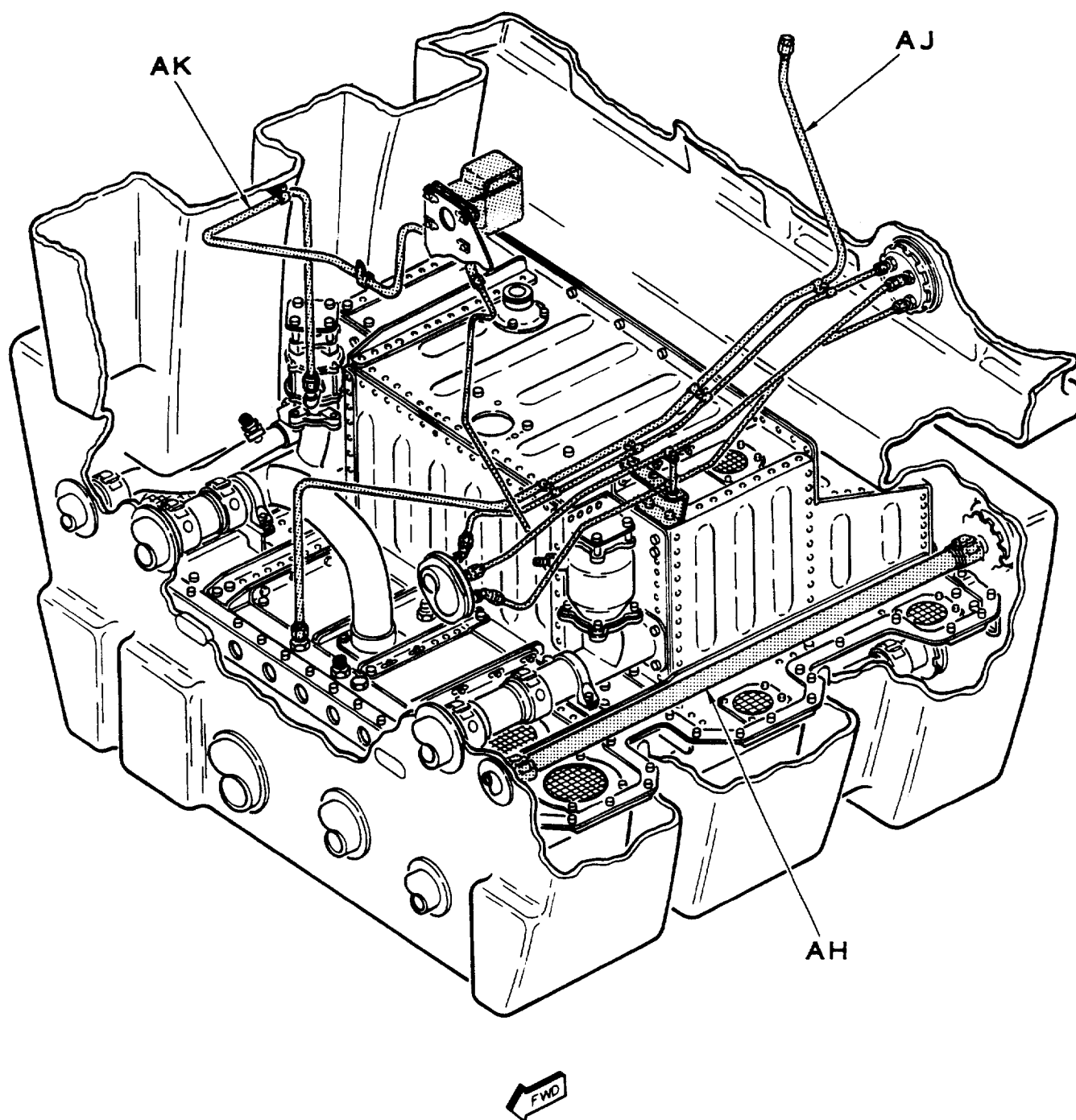
c. Install packings (66), then position manifold (78) and install related parts.

d. Install packings (66), tube (80) and related parts.

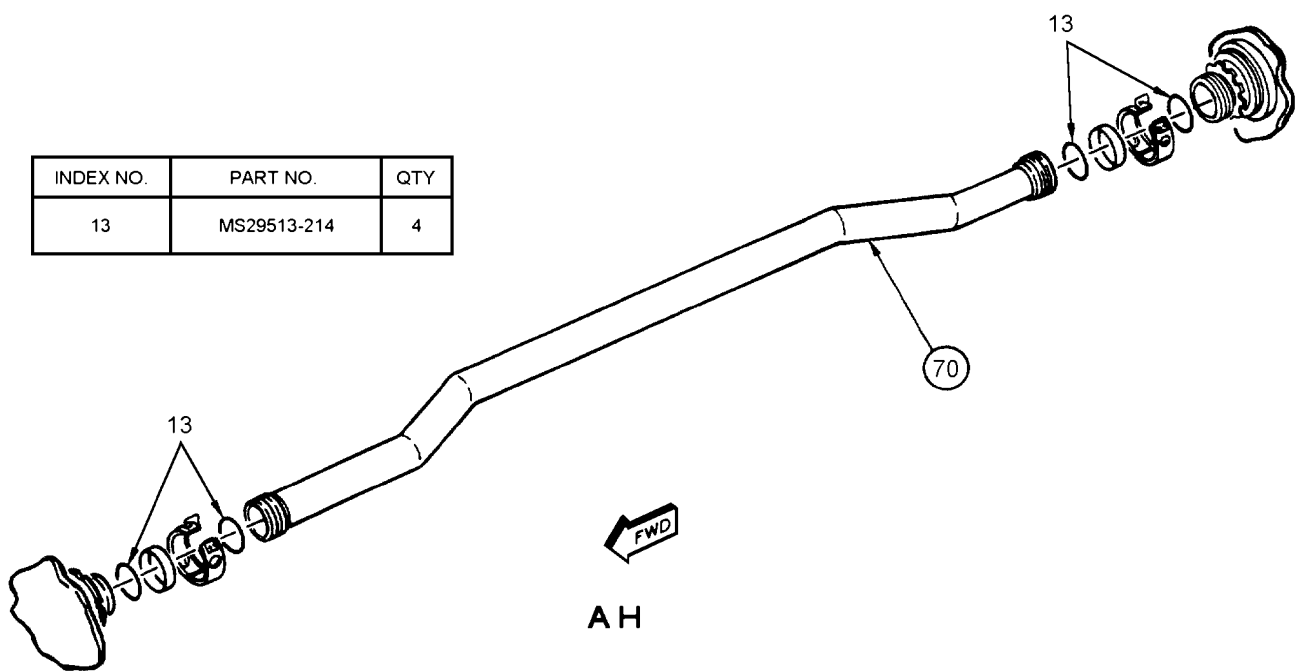
e. Connect clamp (88) to bracket (83).



14. SEQUENCE 12.



a. Install packings (13), tube (70) and related parts.



INDEX NO.	PART NO.	QTY
13	MS29513-214	4



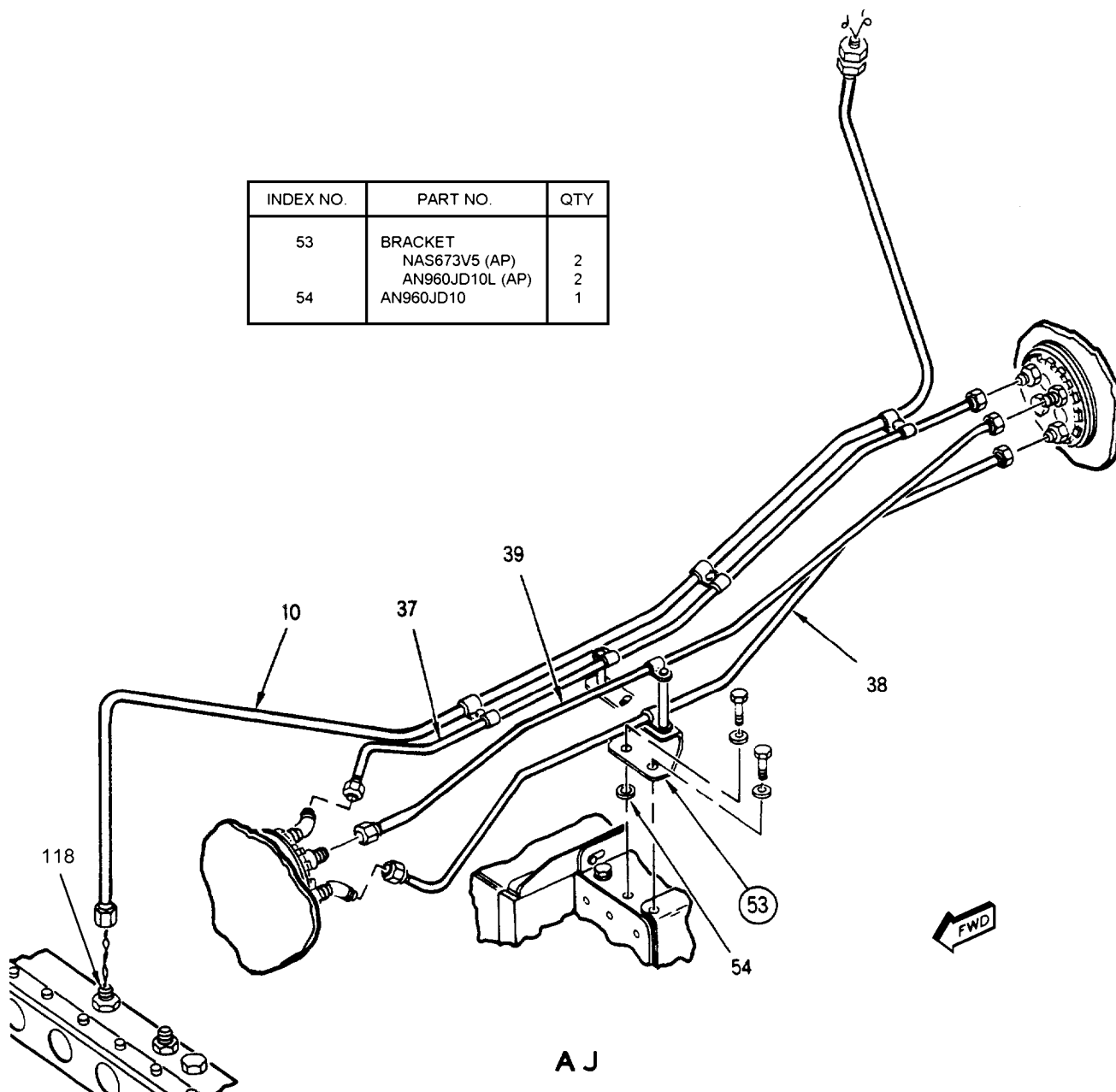
To prevent damage to wires, carefully slide wires through related components.

b. At tube (10), tie lacing tape to wires.

c. Carefully pull lacing tape and wires through tube (10). Untie lacing tape from wires and remove.

d. Connect tubes (10, 37, 38 and 39), and bracket (53) with washer (54) and attaching parts. Torque tube (10) 75 to 140 inch-pounds. (QA)

INDEX NO.	PART NO.	QTY
53	BRACKET NAS673V5 (AP)	2
	AN960JD10L (AP)	2
54	AN960JD10	1

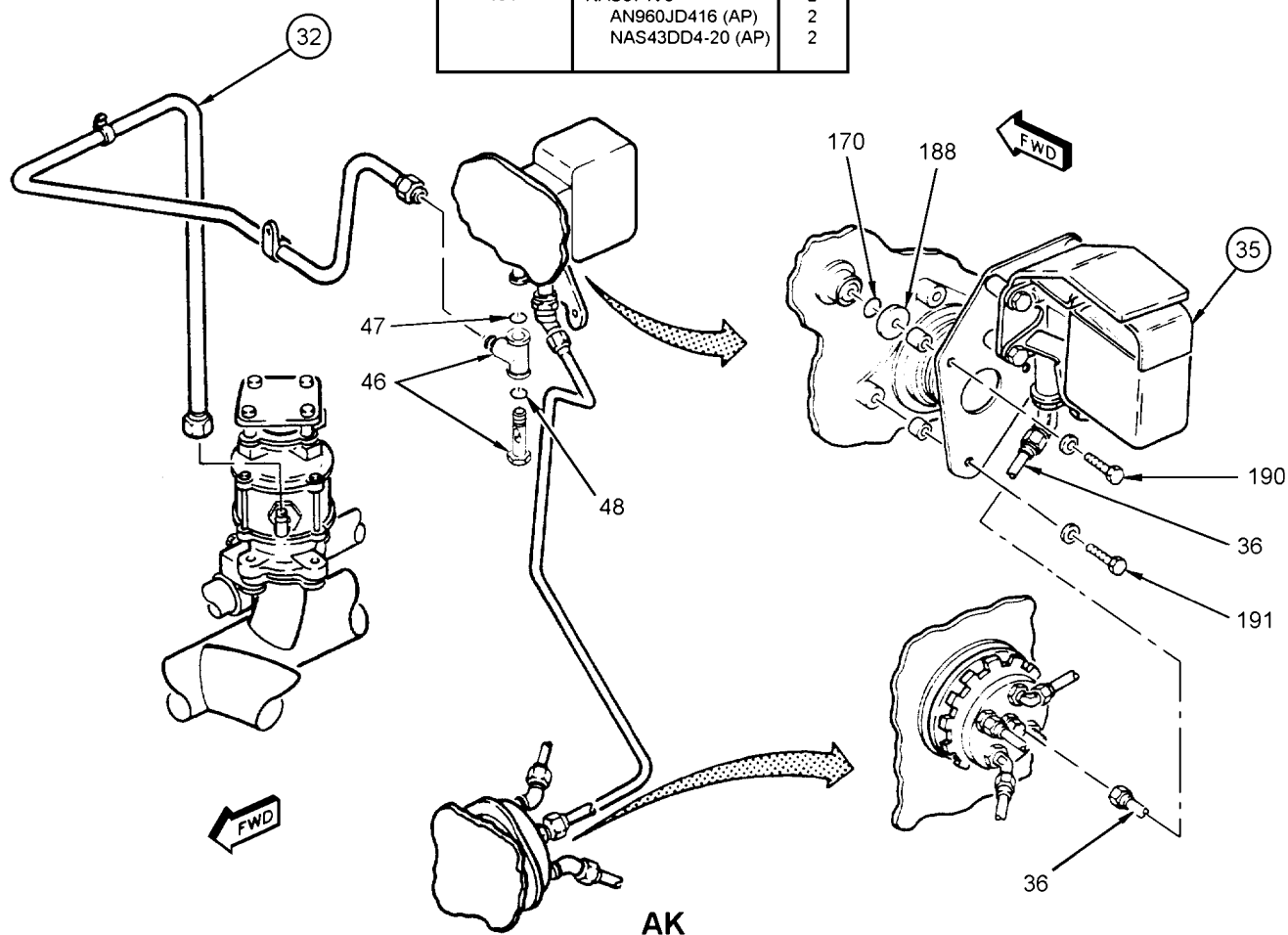


e. Install packing (170), washer (188), valve (35), bolts (190 and 191) and attaching parts. Seal bolt (190) threads per WP013 00. (QA) Snug up all bolts (190 and 191), then torque 50 to 70 inch-pounds. Do not retorquer without first loosening all bolts (190 or 191). (QA)

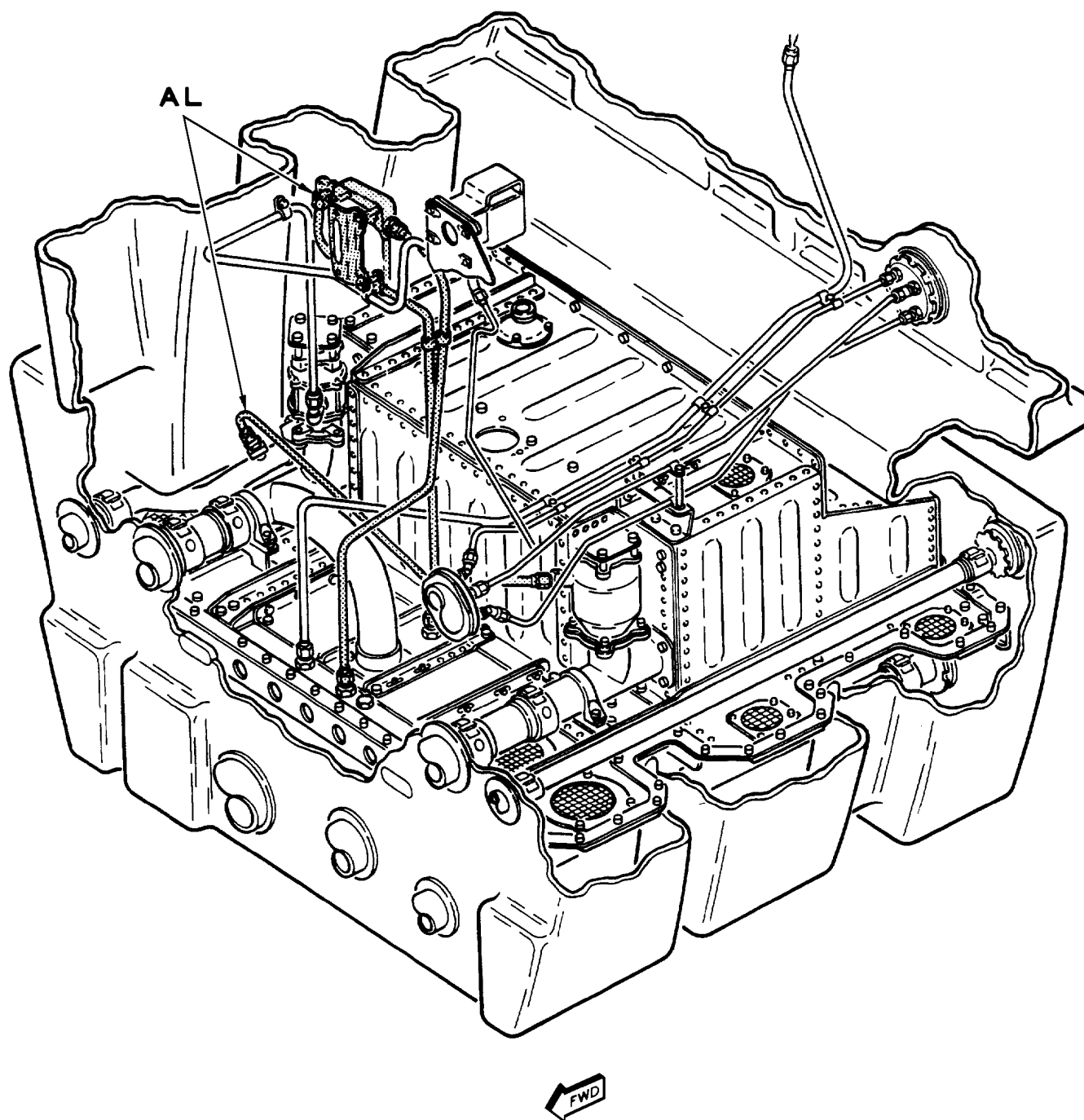
f. Install packings (47 and 48), connector (46) and bolt.

g. Connect tube (36) and install tube (32).

INDEX NO.	PART NO.	QTY
47	MS29512-06	1
48	MS29513-110	1
170	M25988-1-312	1
190	NAS674V8	1
	AN960JD416L (AP)	1
	NAS43DD4-28 (AP)	1
191	NAS674V6	2
	AN960JD416 (AP)	2
	NAS43DD4-20 (AP)	2



15. SEQUENCE 13.

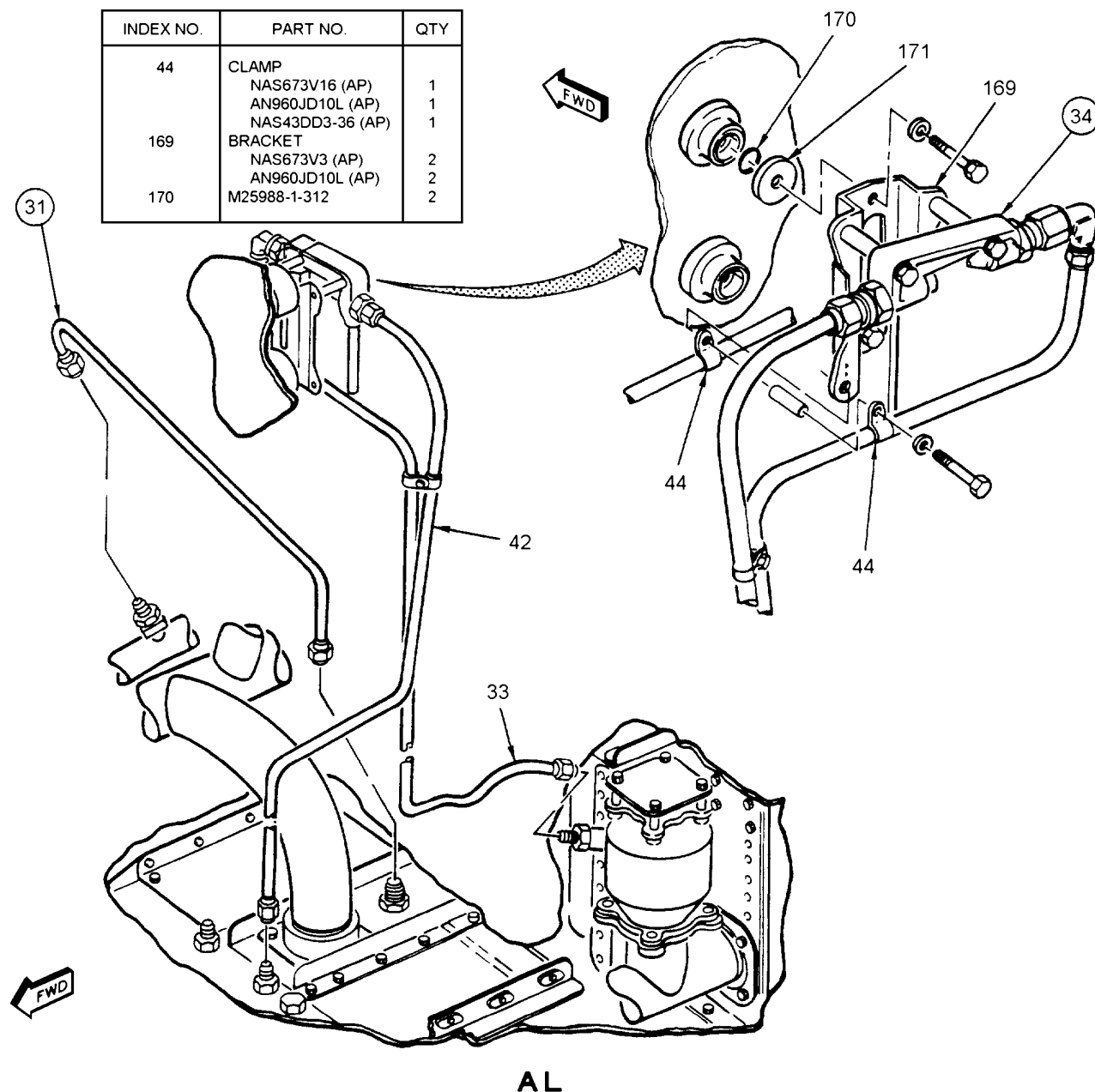


a. Prepare mating surfaces of bracket (169), tank fittings and attaching parts for electrical bond (A1-F18AC-LMM-000).

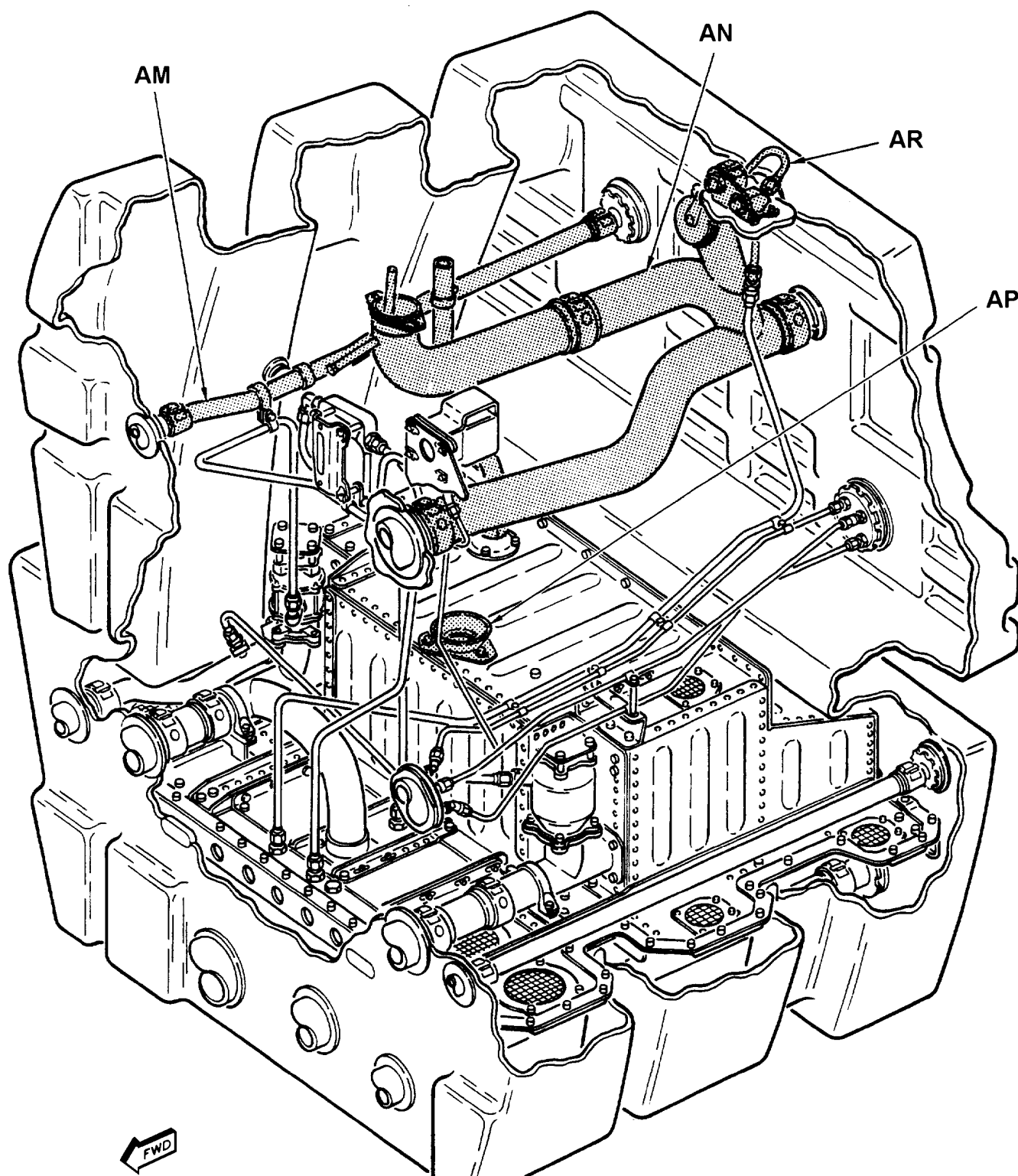
b. Install packings (170), washers (171), clamps (44), sensor (34) and attaching parts. Seal bracket (169) bolt threads per WP013 00. (QA)

c. Connect tubes (33 and 34).

d. Install tube (31).

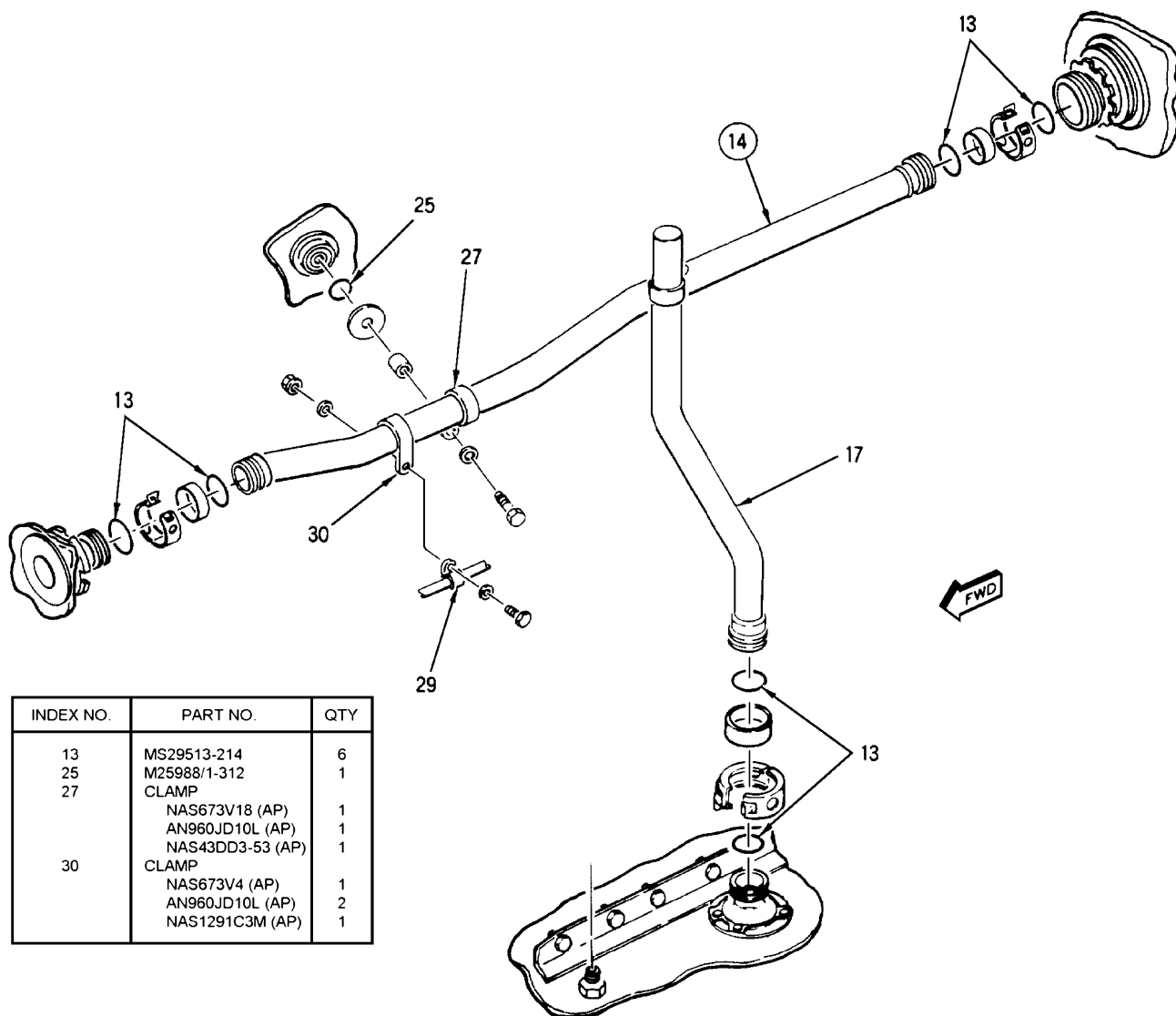


16. SEQUENCE 14.



a. Install packing (13 and 25), tubes (14 and 17) and related parts. Seal clamp (27) bolt threads per WP013 00. (QA)

b. Install clamp (29 and 30) and attaching parts.

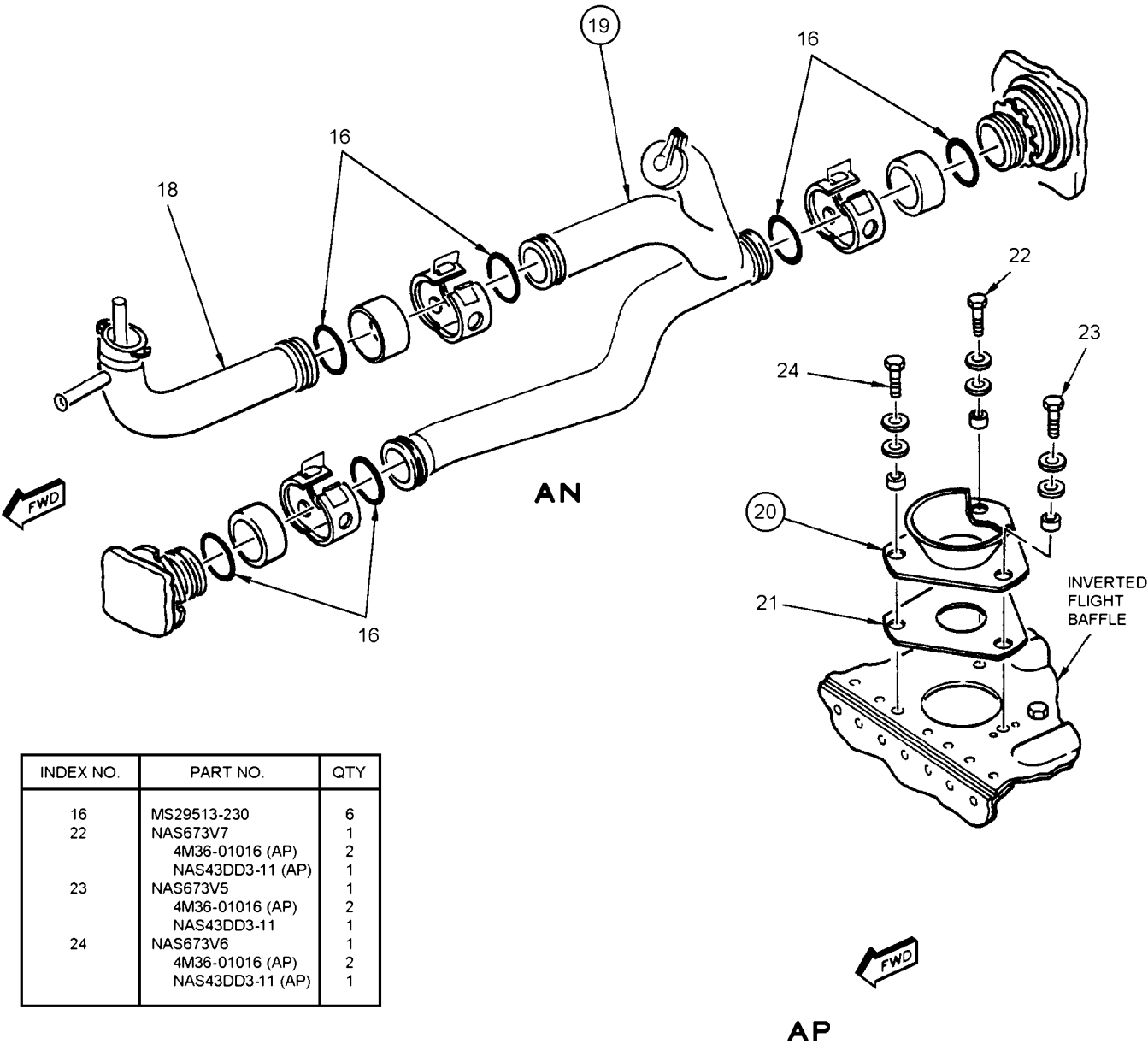


INDEX NO.	PART NO.	QTY
13	MS29513-214	6
25	M25988/1-312	1
27	CLAMP	
	NAS673V18 (AP)	1
	AN960JD10L (AP)	1
	NAS43DD3-53 (AP)	1
30	CLAMP	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	1

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c. Install gasket (21), probe guide (20) and bolts (22, 23 and 24) with attaching parts.

d. Install packings (16), vent assembly (19), tube (18) and related parts.



- e. Prepare mating surfaces of adapter (7), dorsal deck, elbow (8), and nipple (9) for electrical bond (A1-F18AC-LMM-000).

f. Position packing (200) and thread wires through hole in dorsal deck.

g. Thread wires through elbow (8) and adapter (7).

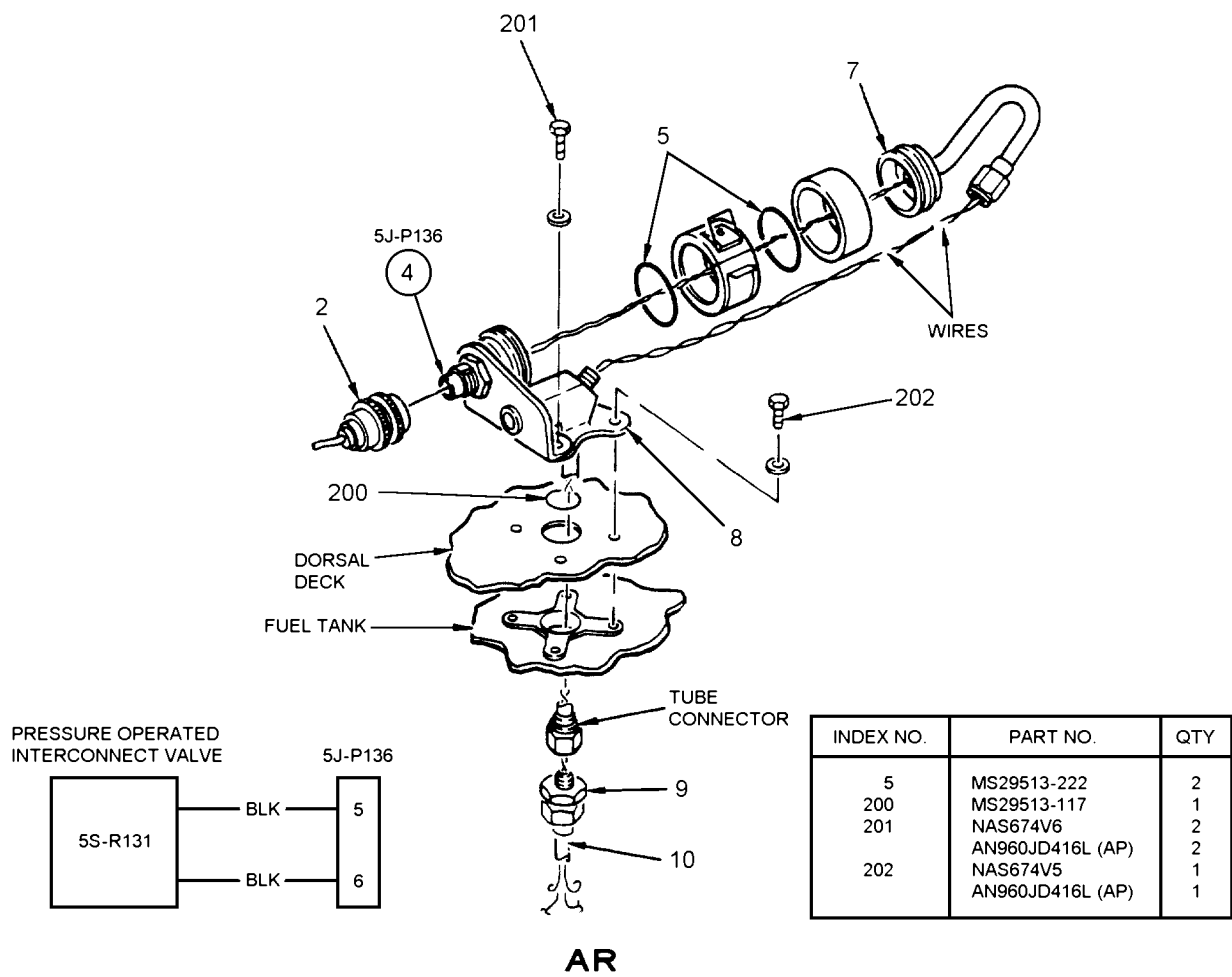
h. Position packings (5) and connect wires to connector (4) as shown below.
- i. Install packings (5) and connect adapter (7) and related parts.

j. Install packing (200).

k. Position and connect elbow (8) to nipple (9) and install bolts (201 and 202) and washers.

l. Torque tube connector nut on elbow (8) 75 to 140 inch-pounds. (QA)

m. Connect connector (2) and tube (10).



n. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)

o. Install access cover (WP006 00).

p. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.

q. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.

r. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

IPB - NO. 3 FUEL TANK (5CAP510)

FUEL STORAGE SYSTEM

Title	WP Number
IPB - No. 3 Fuel Tank - 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	024 01
IPB - No. 3 Fuel Tank - 161716 AND UP	024 02
IPB - No. 3 Fuel Tank - 161353 THRU 161715 AFTER F/A-18 AFC AND F/A-18 AFC 53	024 06

ORGANIZATIONAL MAINTENANCE**SYSTEM MAINTENANCE WITH IPB****IPB - NO. 3 FUEL TANK (5CAP510)****FUEL STORAGE SYSTEM****EFFECTIVITY: 16153 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53****Record of Applicable Technical Directives**

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 IAFC 017 Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of, (ECP MDA F/A-18-00084R1)	1 Jun 84	-

1. ILLUSTRATED PARTS BREAKDOWN.

2. Removal procedure for No. 3 Fuel Tank is in WP022 01. Index numbers in this WP match those in WP022 01.

3. Installation procedure for No. 3 Fuel Tank is in WP023 01. Index numbers in this WP match those in WP023 01.

4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

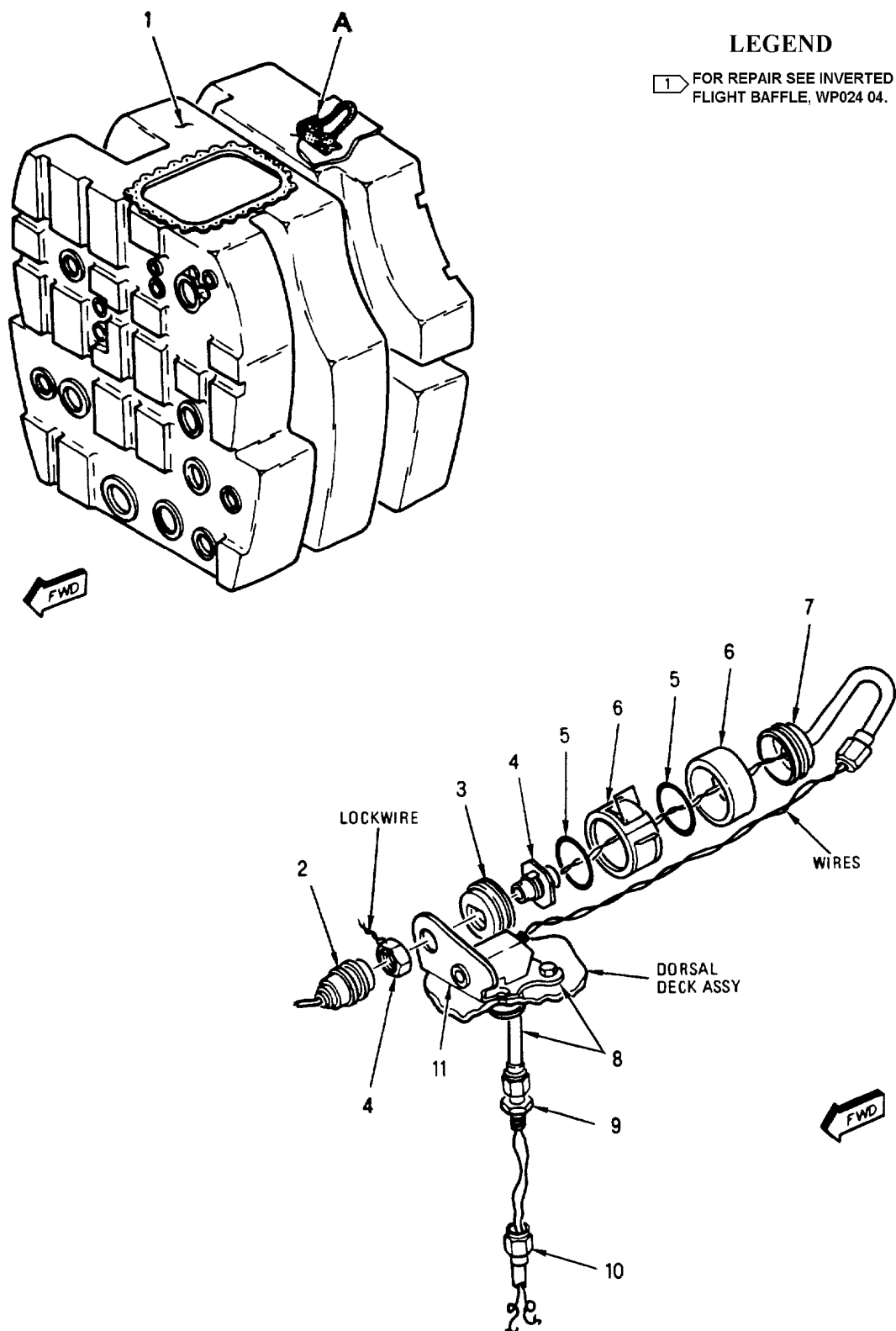
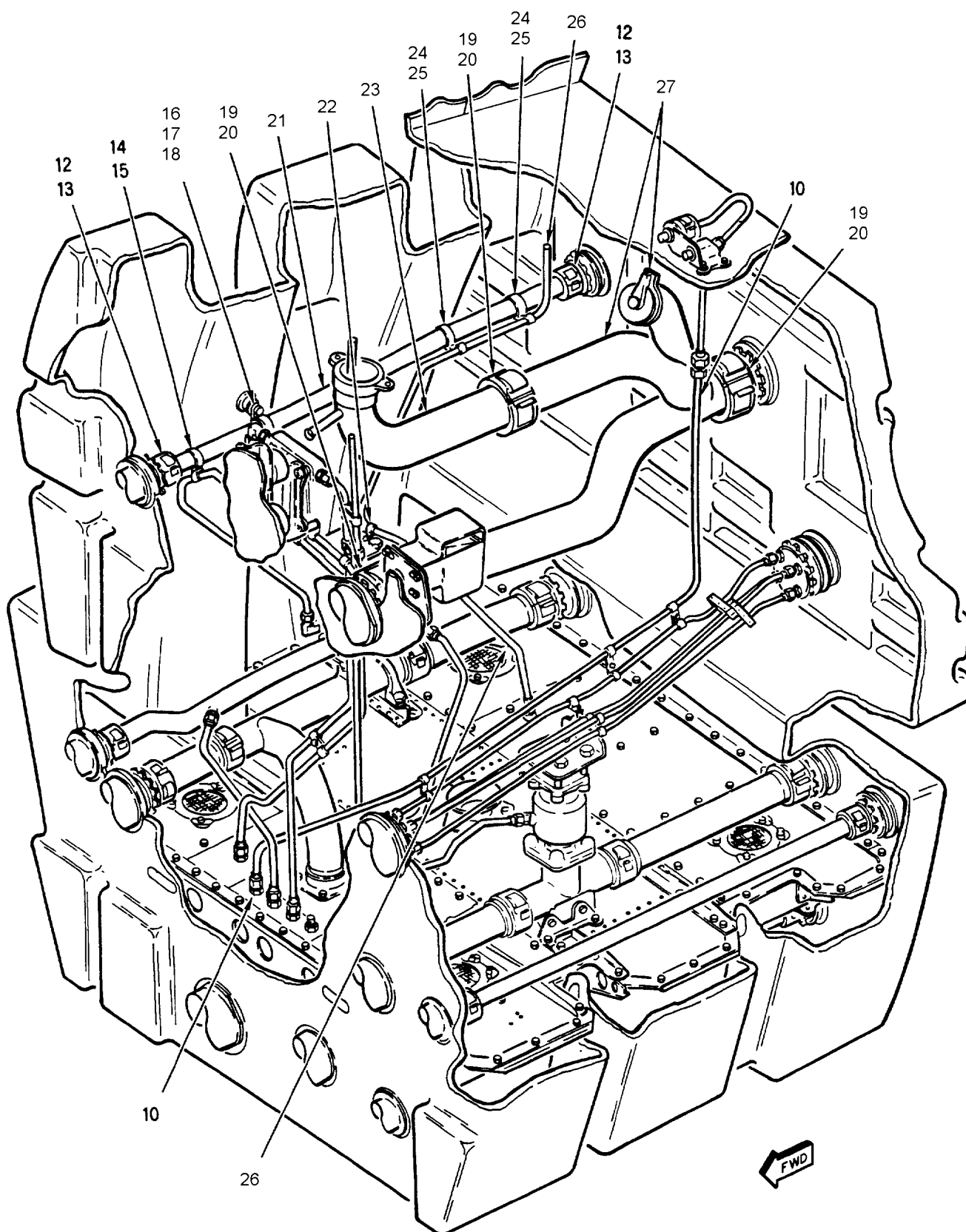


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 1)



24010102

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 2)

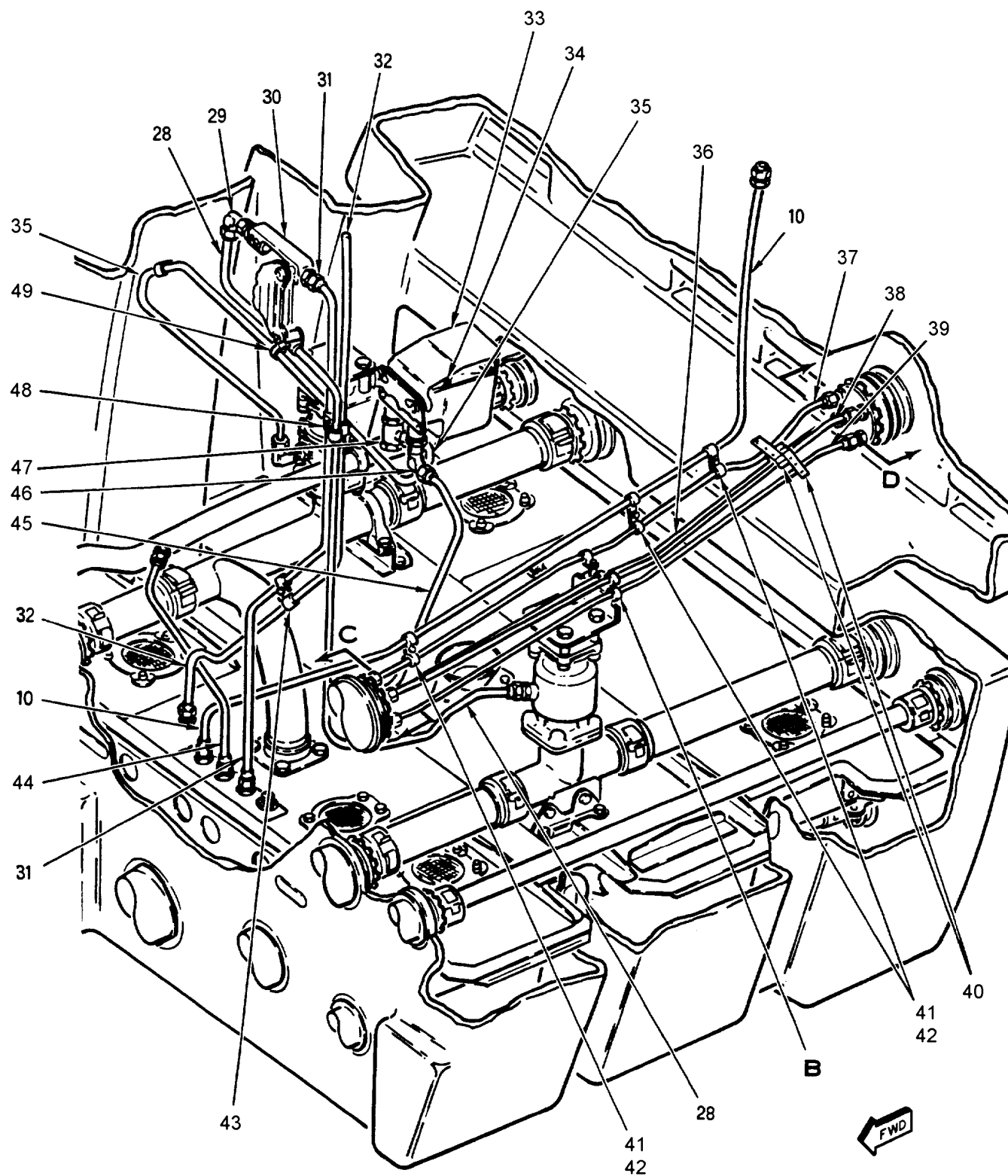


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 3)

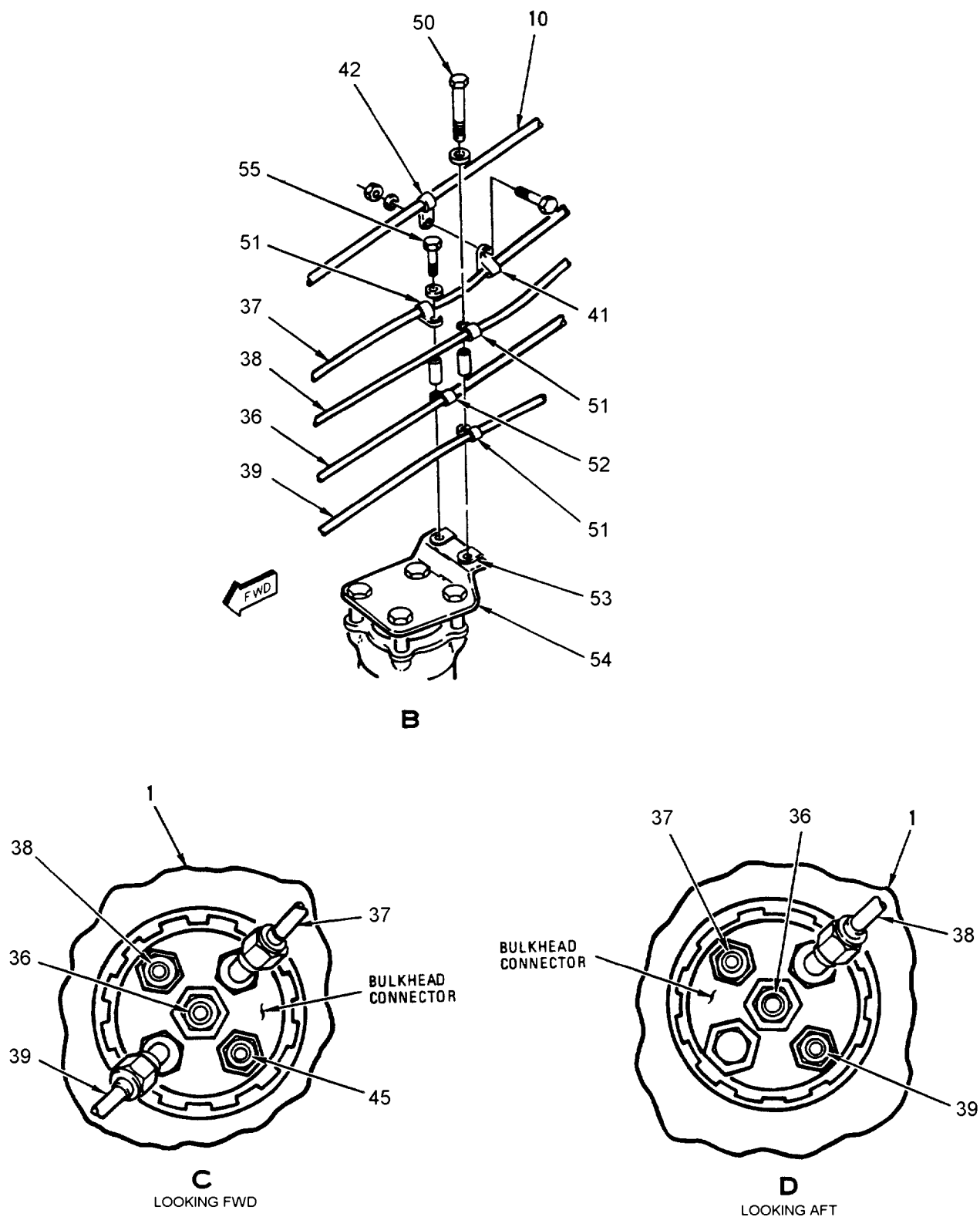


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 4)

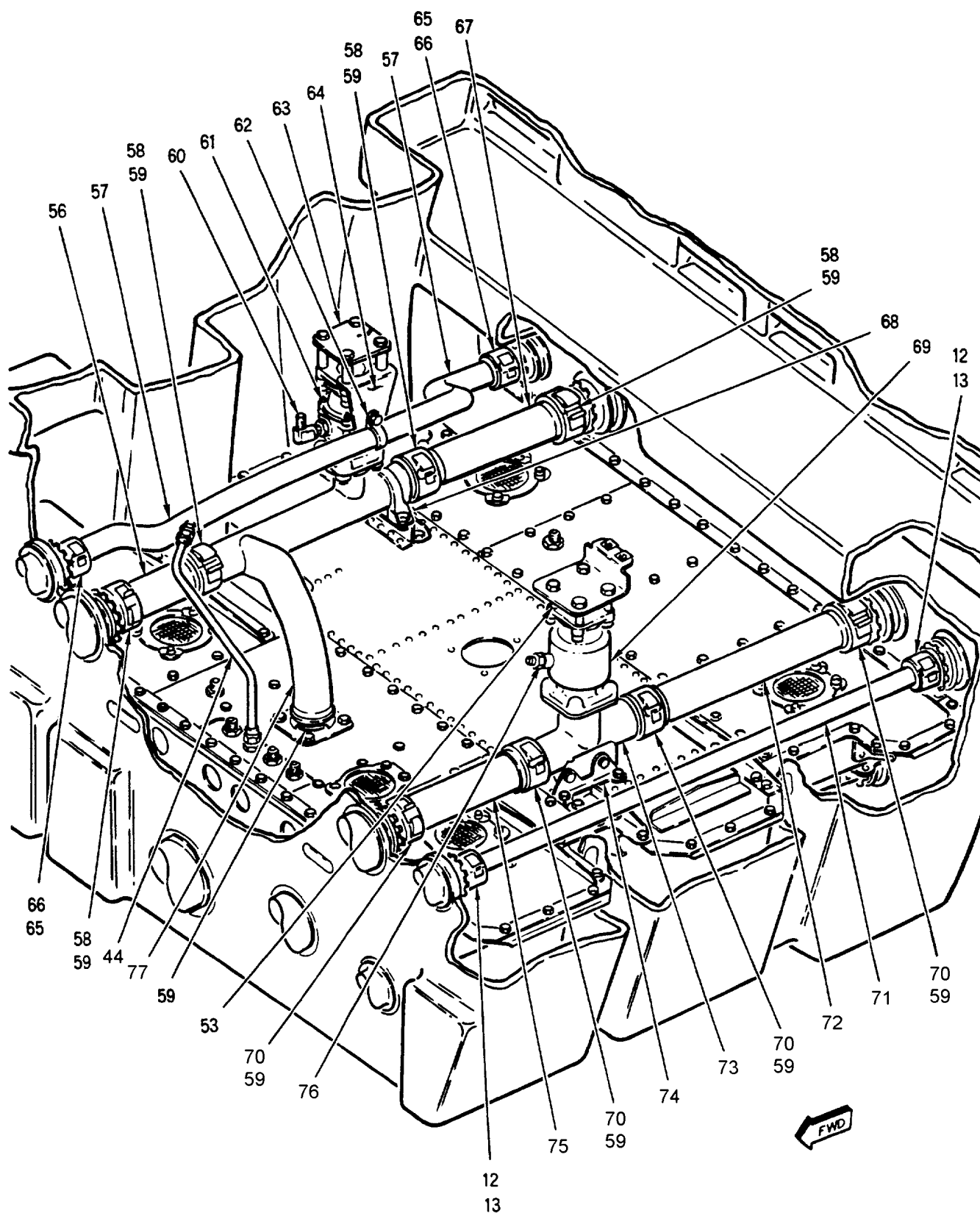


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 5)

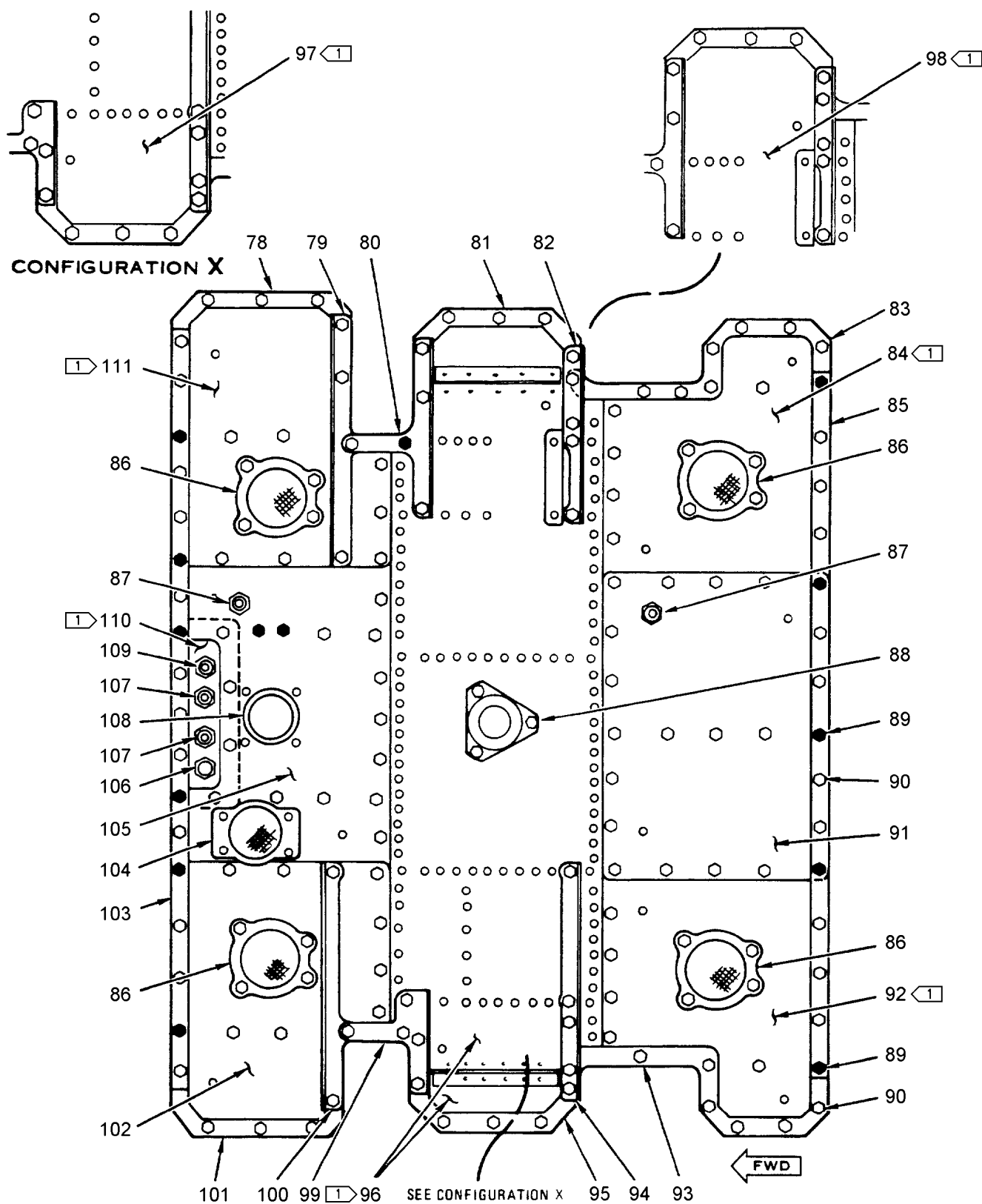


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 6)

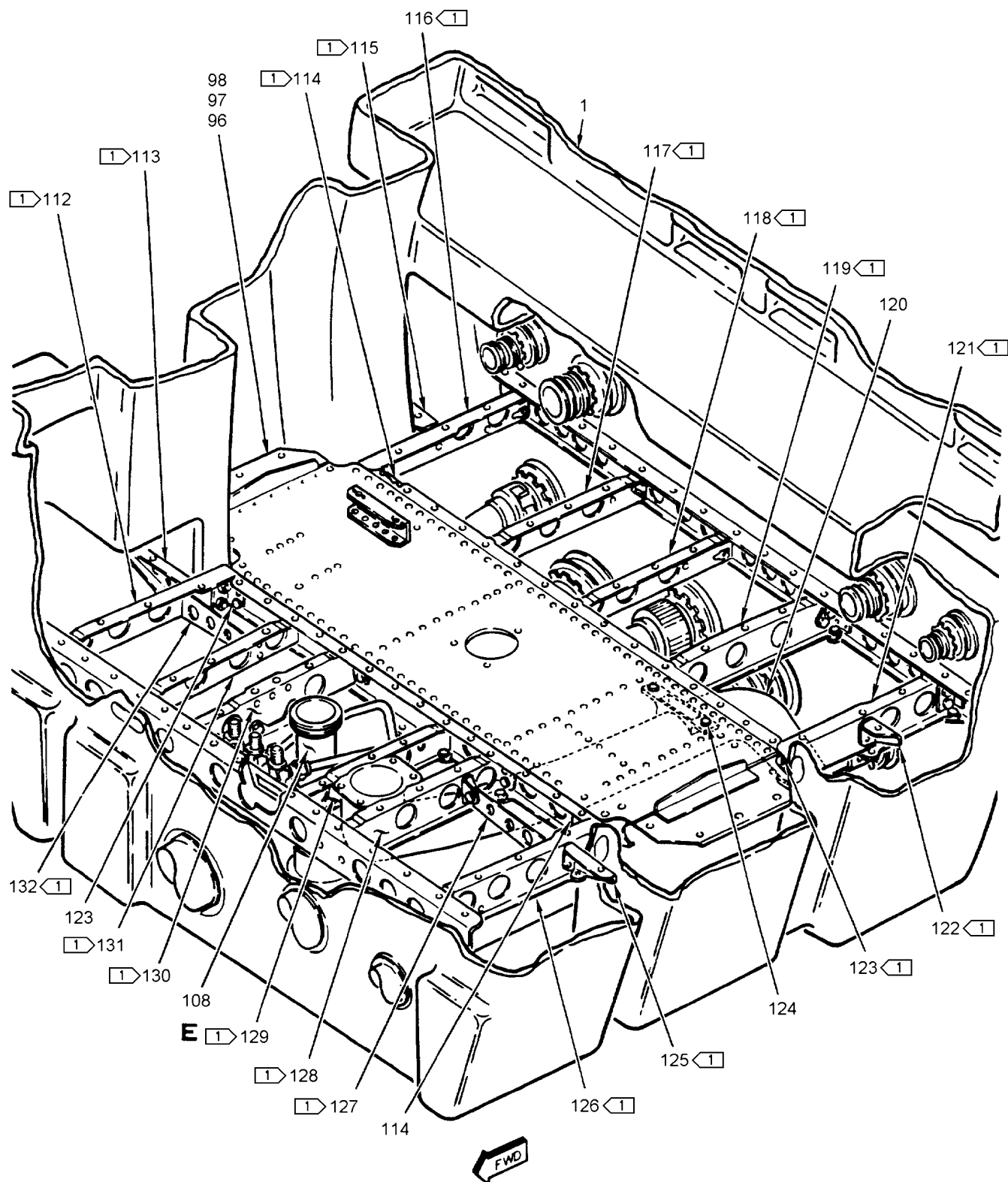


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 7)

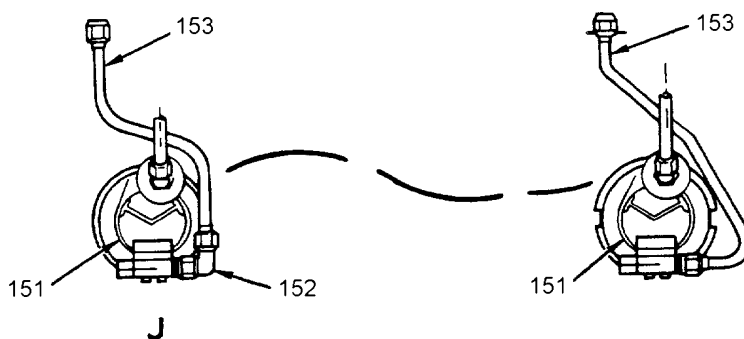
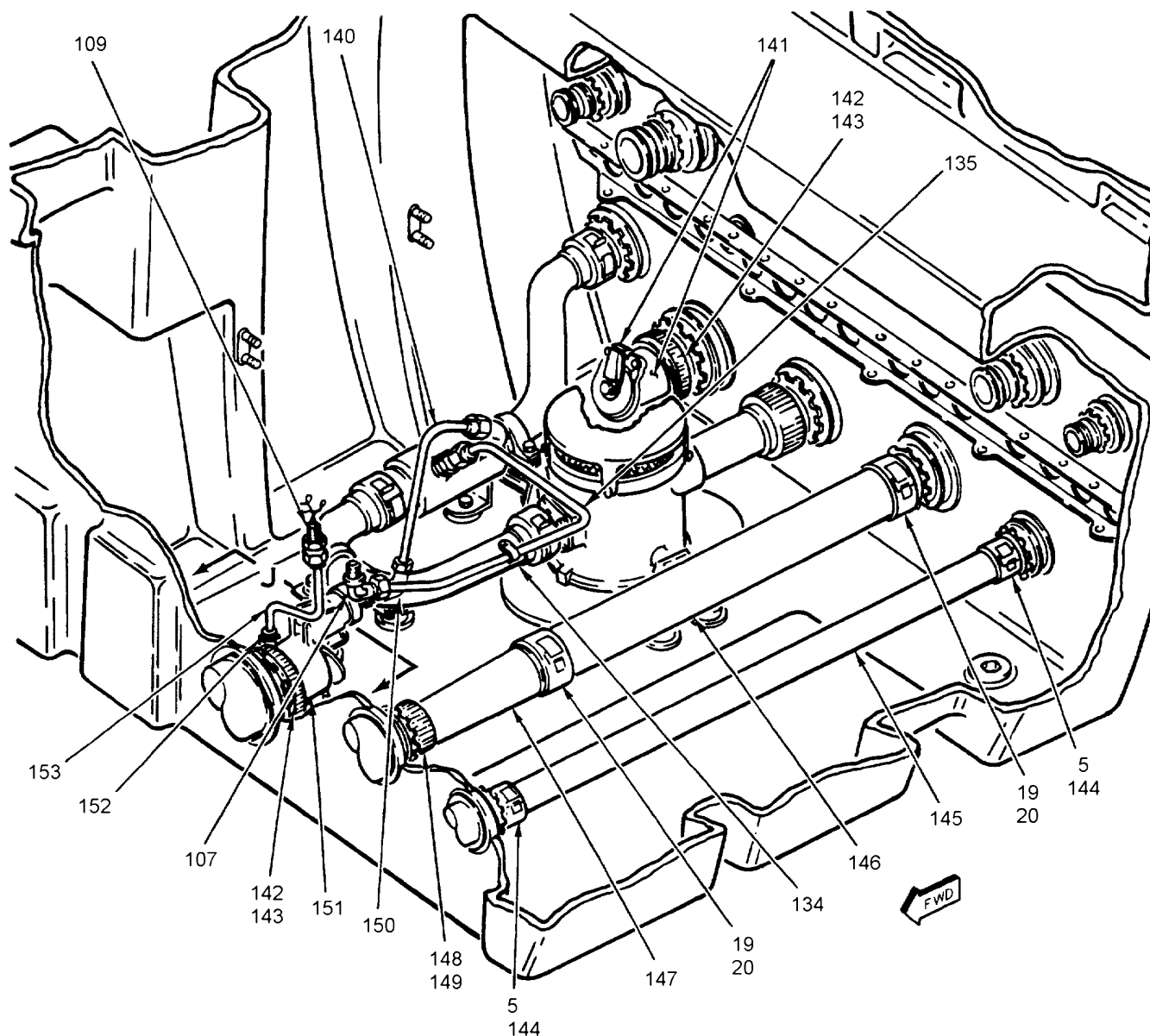


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 9)

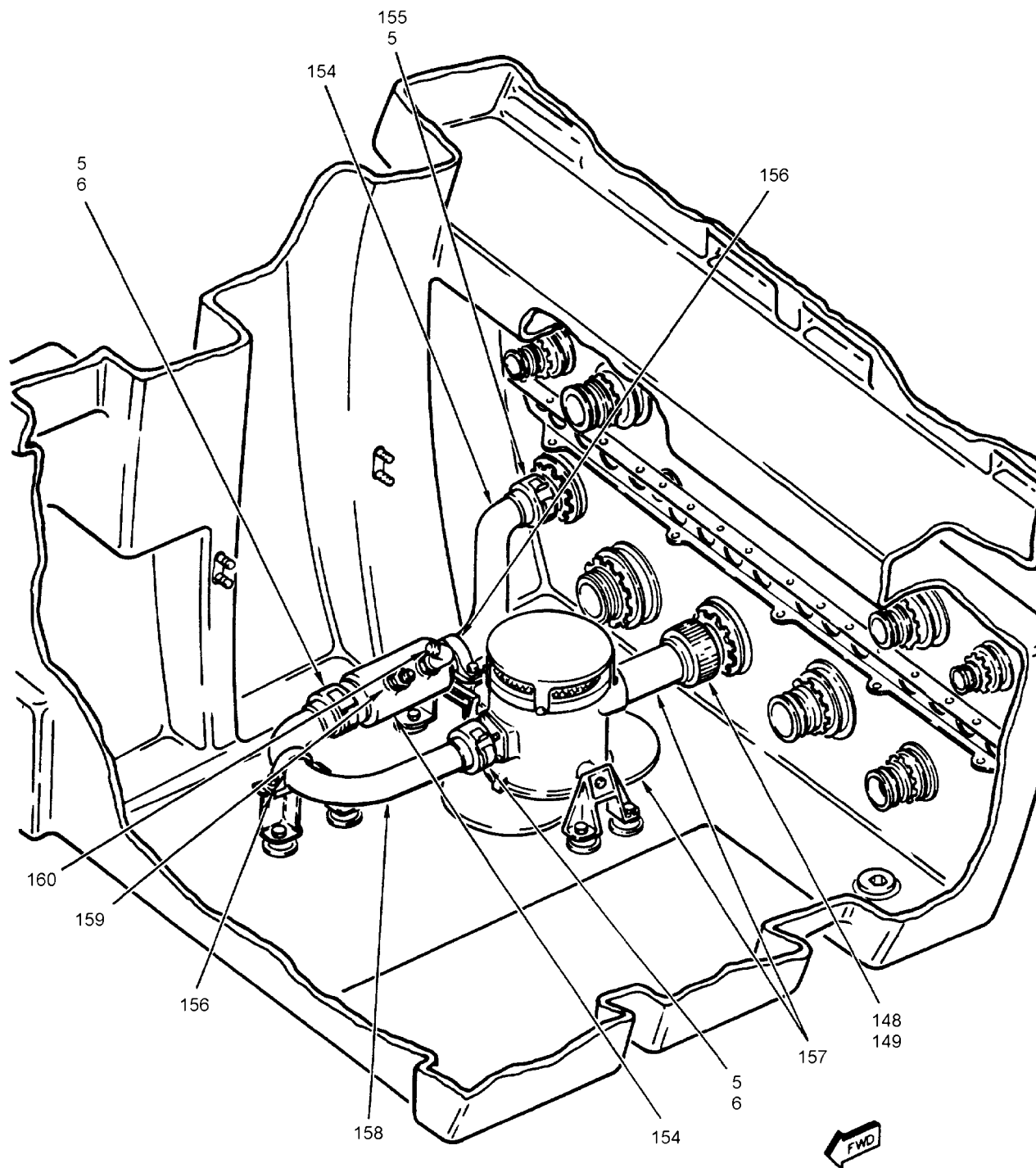
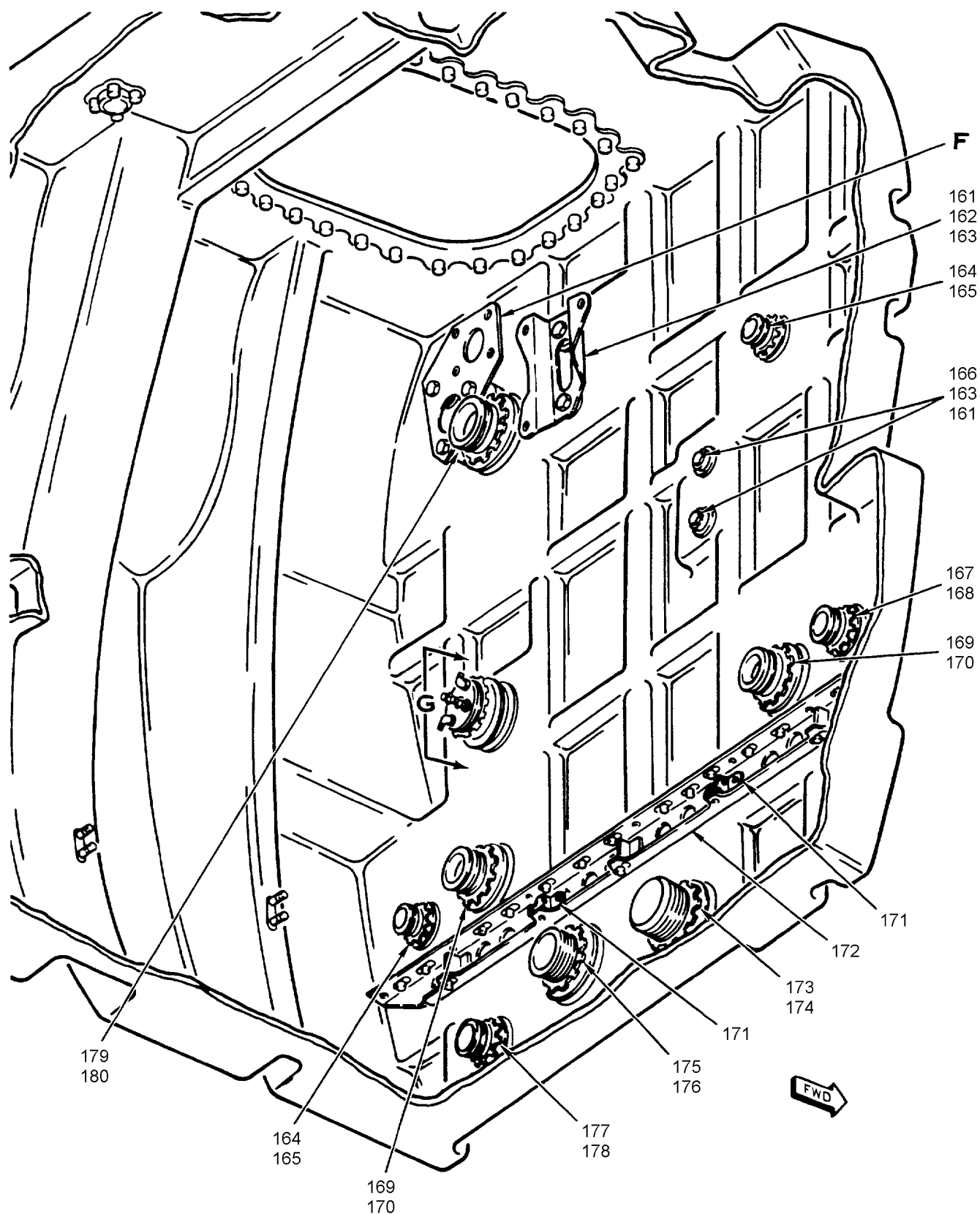


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 10)



24010111

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 11)

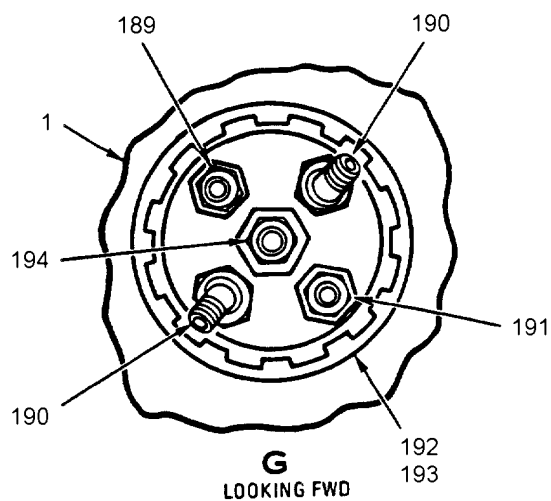
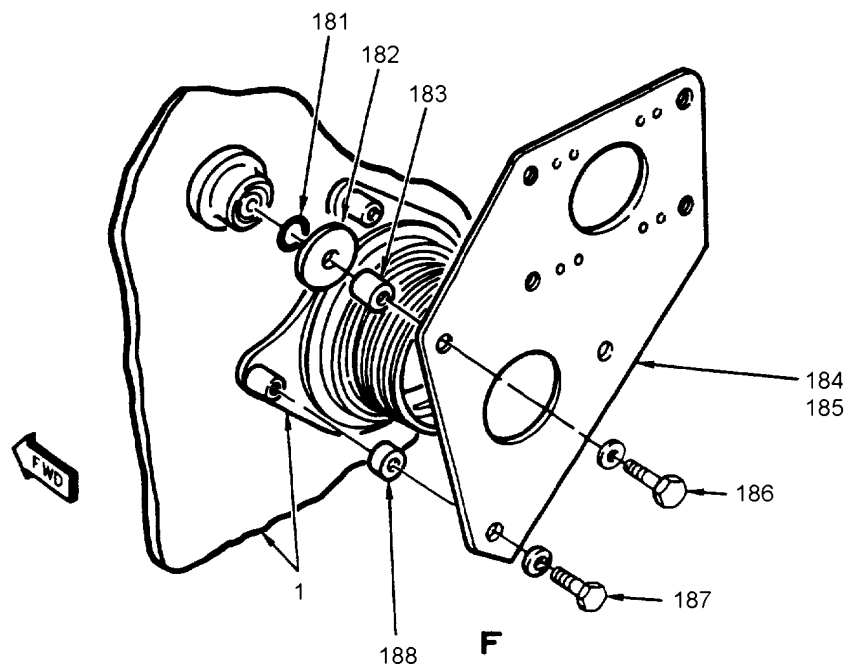


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 12)

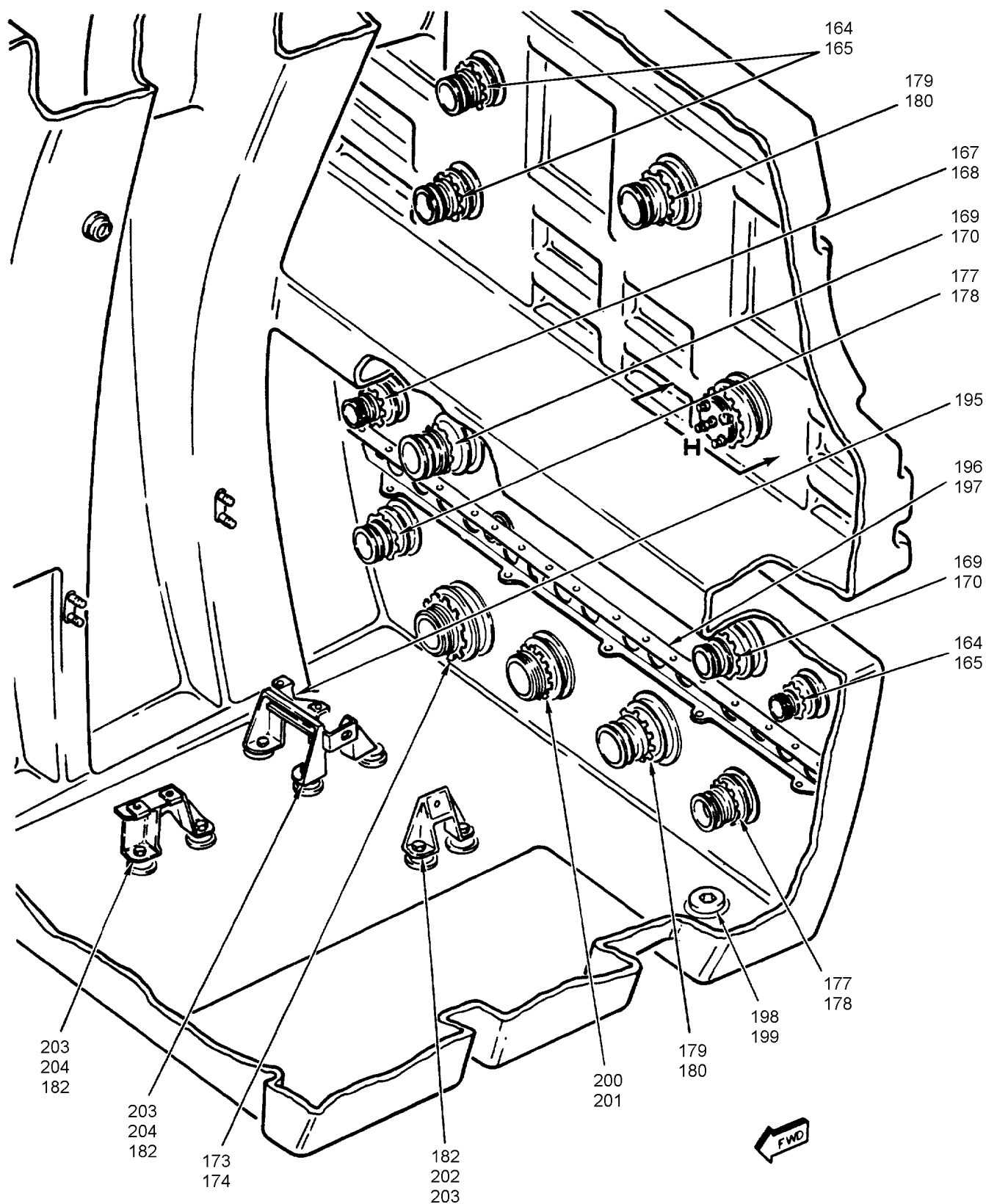


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 13)

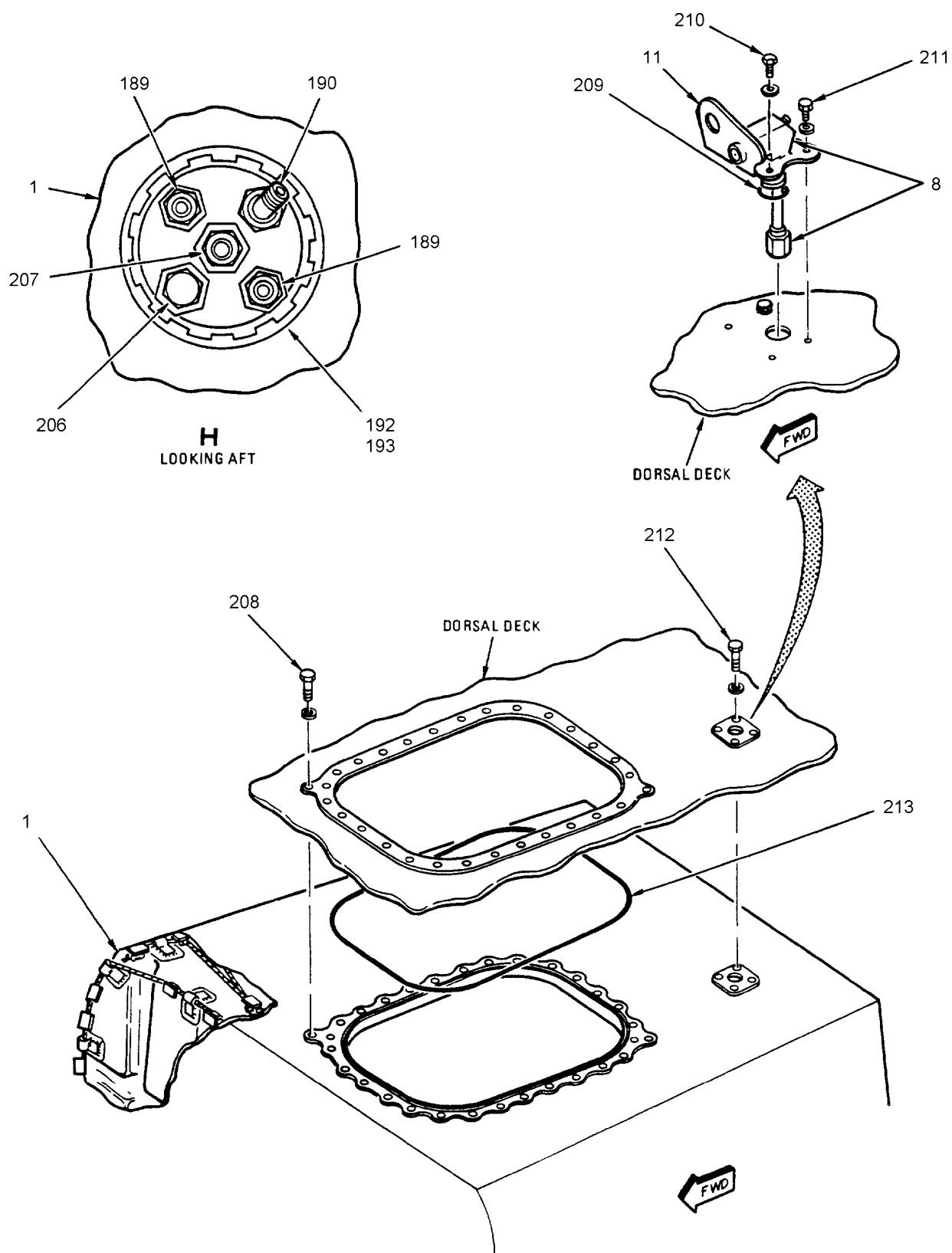


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 14)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 3 FUEL TANK (5CAP510) (PARTS KIT AVAILABLE)			
1	62003-5 ϕ	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 3 (NO. 3 FUEL TANK) (05476) (MCDONNELL SPEC 74-580162-217) (5CAP510)	1	*	PAODD
	FCR-63258 ϕ	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 3 (NO. 3 FUEL TANK) (00333) (MCDONNELL SPEC 74-580162-217) (5CAP510)	1	*	PAODD
	62003-3 ϕ	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 3 (NO. 3 FUEL TANK) (05476) (MCDONNELL SPEC 74-580162-211) (5CAP510)	1	*	PAODD
2	MS27467T11B35S	. CONNECTOR, PLUG (5P-P136)	1		PAOZZ
3	74A586694-2003	. ADAPTER (76301)	1		XBOZZ
4	KJL7YC103451-3	. CONNECTOR, RECEPTACLE, ELECTRICAL (71468) (MCDONNELL SPEC 5M1701-11D35PN) (INCLUDES NUT) (5J-P136)	1	*	PAOZZ
	92344-01	. SEE ABOVE (14283)	1	*	PAOZZ
	AE171411-35PN	. SEE ABOVE (59976)	1	*	PAOZZ
5	MS29513-222	. PACKING	7		PAOZZ
6	W901K24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	2		PAOZZ
	14J12-24A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	2	*	PAOZZ
7	74A586694-1001	. ADAPTER - JUNCTION BOX, ELECTRICAL, FUEL SYS (76301)	1		XBOZZ
8	74A586255-1009	. ELBOW, TUBE - 0.50 IN. LINE, VENT FUEL SYSTEM (76301) (SUPERSEDES 74A586255-1001 AND 74A586255-1005)	1		XBOZZ
9	7M637BD-6D	. NIPPLE, TUBE (76301)	1		PAOZZ
10	74A586688-1003	. TUBE ASSEMBLY, METAL - GRAVITY FEED CONDUIT LINE, TANK 3 (76301) (SUPERSEDES 74A586688-1001)	1		MGOZZ
11	74A586244-2093	. BRACKET (76301)	1		XBOZZ
12	W901R16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	4	*	PAOZZ
13	MS29513-214	. PACKING	8		PAOZZ
14	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1		PAOZZ
15	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 15)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
16	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1		PAOZZ
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
17	74A586244-2005	. WASHER (RETAINER) (76301)	1		PAOZZ
18	M25988-1-312	. PACKING	1		PAOZZ
19	W901K40DE	. COUPLING, CLAMP, GROOVED (79326)	5		PAOZZ
		(MCDONNELL SPEC 7M765-40D)			
		(INCLUDES SLEEVE)			
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984)	5		PAOZZ
		(MCDONNELL SPEC 7M765-40D)			
		(INCLUDES SLEEVE)			
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326)	5	*	PAOZZ
		(MCDONNELL SPEC 7M550-40D)			
		(INCLUDES SLEEVE)			
20	MS29513-230	. PACKING	8		PAOZZ
21	74A586336-1011	. TUBE ASSEMBLY, METAL - WING REFUEL,	1		XBOZZ
		TANK 3 BYPASS (76301) (SUPERSEDES			
		74A586336-1005 AND 74A586336-1009			
22	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
	NAS673V5	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
23	74A586381-1001	. TUBE ASSY - CLIMB VENT, FUEL TANK	1		XBOOO
		NO. 3 (76301)			
	NS103597-02	. NUT, SELF-LOCKING, PLATE (80539)	2	*	PAOZZ
		(MCDONNELL SPEC ST3M470C3M)			
		(USE WITH INDEX 23)			
	F10965-1-3	. SAME AS ABOVE (72962)	2	*	PAOZZ
	F29339-01-3	. SAME AS ABOVE (15653)	2	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
24	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	2		PAOZZ
25	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	2		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
26	74A586314-1001	. TUBE ASSEMBLY, METAL - VENT, AFT,	1		MGOZZ
		INVERTED FLT COMPT, TK 3 (76301)			
27	74A586321-1011	. VENT ASSEMBLY FUEL TANK NO. 3 (NO. 3	1		PAOZZ
		FUEL TANK DIVE VENT CHECK VALVE)			
		(76301) (5VAP582)			
	74A585003-2001	. MAIN VENT ASSEMBLY (NO. 3 FUEL TANK	1	*	PAOZZ
		DIVE VENT CHECK VALVE) (76301)			
		(5VAP582)			
	NAS1802-06-7	. SCREW (USE WITH INDEX 27)	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 27)	4		PAOZZ
	NAS1291C06M	. NUT (USE WITH INDEX 27)	2		PAOZZ
28	74A586345-1001	. TUBE ASSEMBLY, METAL - FUEL LEVEL	1		AGOZZ
		SENSOR, TK NO. 3 (76301)			
29	7M148V6	. ELBOW (76301)	1		PAOZZ
	7M148DA6	. ELBOW (76301)	1	*	PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 16)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
30	2760009-105	. SENSOR, FUEL LEVEL JET OPERATED (TANK ... 3) (NO. 3 FUEL TANK FUEL LEVEL SENSOR) (92003) (MCDONNELL SPEC 74-580123-105) (5VAP590)	1	E	PAOZZ
	2760009-103	. SEE ABOVE (MCDONNELL SPEC 74-580123-103)	1	F	PAOZZ
	NAS673V32	. BOLT (AP)	2		PAOZZ
	AN960JD10	. WASHER (AP)	2		PAOZZ
	NAS43DD3-76A	. SPACER (AP)	2		PAOZZ
31	74A586354-1001	. TUBE ASSEMBLY, METAL - JET LEVEL SENSOR, FUEL TK NO. 3 (76301)	1		XBOZZ
32	74A586313-1001	. TUBE ASSEMBLY, METAL - VENT, FWD, INVERTED FLT COMPT, TK 3 (76301)	1		MGOZZ
33	74A585762-2001	. SHIELD, FLOAT VALVE - TK NO. 3, Y419.000 (76301)	1		PAOZZ
34	2800095-101	. VALVE, PILOT FUEL LEVEL (NO. 3 FUEL TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-221)	1		PAOZZ
	2800018-101	. VALVE, PILOT FUEL LEVEL (NO. 3 FUEL TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-211) (5VAP583)	1	*	PAOZZ
	NAS674V9	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS43DD4-20	. SPACER (AP)	4		PAOZZ
35	74A586341-1005	. TUBE ASSEMBLY, METAL - PILOT VALVE RH PORT TO REFUEL V (76301)	1		MGOZZ
36	74A586685-1001	. TUBE ASSEMBLY, METAL - SYSTEMS CHECK ... LINE, TANK NO. 3 (76301)	1		MGOZZ
37	74A586339-1001	. TUBE ASSEMBLY, METAL - PRECHECK, TANK 4, Y422 UN - Y450 UN (76301)	1		MGOZZ
38	74A586361-1001	. TUBE ASSEMBLY, METAL - LH WING, Y422 UN - Y450 UN (76301)	1		MGOZZ
39	74A586360-1001	. TUBE ASSEMBLY, METAL - PRECHECK, RH WING, Y422 UN - Y450 UN (76301)	1		MGOZZ
40	ST9M591-4	. BLOCK (76301)	4		PAOZZ
	NAS653V8	. BOLT (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP) (1 UNDER HEAD AND 1 UNDER NUT)	6		PAOZZ
	NAS1291C3M	. NUT (AP)	3		PAOZZ
41	MS25281R4	. CLAMP (SUPERSEDES MS25281-4)	3		PAOZZ
42	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	3		PAOZZ
	NAS673V2	. BOLT (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
	NAS1291C3M	. NUT (AP)	3		PAOZZ
43	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	2		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT & UNDER NUT)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
44	74A586669-1005	. TUBE ASSEMBLY, METAL - PRESS SENR TO DEFUEL LINE, TANK 3 (76301)	1		MGOZZ
45	74A586362-1005	. TUBE ASSEMBLY, METAL - TANK 3 PRE CHECK, Y422 UN - FLT VALVE (76301)	1		MGOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 17)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
46	7M637BY-4D	. ELBOW, TUBE (76301)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 46)	1		PAOZZ
	MS28773-04	. RETAINER (USE WITH INDEX 46)	1		PAOZZ
	AN6289D4	. NUT (USE WITH INDEX 46)	1		PAOZZ
47	7M131-6V	. CONNECTOR (76301)	1		PAOZZ
	7M131-6D	. CONNECTOR (76301)	1	*	PAOZZ
	7M130-6D	. BOLT (AP) (76301)	1		PAOZZ
	MS29512-06	. PACKING (AT VALVE PORT) (USE WITH INDEX 47)	1		PAOZZ
	MS29513-110	. PACKING (UNDER BOLT HEAD) (USE WITH INDEX 47)	1		PAOZZ
48	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	3		PAOZZ
	NAS673V4	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
49	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	2		PAOZZ
	NAS673V16	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS43DD3-44A	. SPACER (AP)	1		PAOZZ
50	NAS673V18	. BOLT	1		PAOZZ
	AN960JD10	. WASHER (USE WITH INDEX 50)	1		-
	NAS43DD3-55	. SPACER (USE WITH INDEX 50)	1		PAOZZ
51	MS25281R4	. CLAMP (SUPERSEDES MS25281-4)	2		PAOZZ
52	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
53	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
54	74A586309-2017	. BRACKET (76301)	1		MGOZZ
	NAS674V18	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
	NAS43DD4-76	. SPACER (AP)	4		PAOZZ
55	NAS673V20	. BOLT	1		PAOZZ
	AN960JD10	. WASHER (USE WITH INDEX 55)	1		PAOZZ
	NAS43DD3-52	. SPACER (USE WITH INDEX 55)	1		PAOZZ
56	74A586324-1013	. TUBE ASSEMBLY, METAL - REFUEL SYSTEM, TANK NO. 3 (76301) (SUPERSEDES 74A586324-1009)	1		XBOZZ
57	74A586335-1005	. TUBE ASSEMBLY, METAL - MF PRESS TO TANK 1, TANK 3 BYPASS (76301)	1		XBOZZ
58	W901K32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-32A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
59	MS29513-226	. PACKING	17		PAOZZ
60	7M148V6	. ELBOW (76301)	1		PAOZZ
	7M148DA6	. ELBOW (76301)	1	*	PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 60)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 60)	1		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 18)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
61	2760113-113	. VALVE, CHECK - REFUEL LEVEL (NO. 3 FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-223) (5VAP610) (REPLACES 2760113-111, 2760113-109 AND 2760113-107)	1		PAOZZ
	2760113-111	. VALVE, CHECK - REFUEL LEVEL (NO. 3 FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-217) (5VAP610)	1	*	PAOZZ
	2760113-109	. VALVE, CHECK - REFUEL LEVEL (NO. 3 FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-215) (5VAP610)	1	*	PAOZZ
	2760113-107	. SEE ABOVE (MCDONNELL SPEC 74-580108-201)	1	*	PAOZZ
	NAS674V5	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	MS29513-224	. PACKING (USE WITH INDEX 61)	1		PAOZZ
62	MS25281-R20	. CLAMP (SUPERSEDES MS25281-20)	1		PAOZZ
	NAS673V5	. BOLT (AP)	1		PAOZZ
	AN960JD10	. WASHER (AP)	1		PAOZZ
63	74A586309-1021	. DEFLECTOR (76301)	1		XBOZZ
	NAS674V16	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS43DD4-61	. SPACER (AP)	2		PAOZZ
	NAS43DD4-57	. SPACER (AP) (OVER BRACKET)	2		PAOZZ
	74A581029-2001	. RESTRICTOR, FLUID FLOW, PRESSURE - FUELING LINE (76301) (USE WITH INDEX 63)	2		MGOZZ
64	74A586309-1015	. BRACKET (76301)	1		XBOOO
	F50339-3-2	. NUT, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2) (USE WITH INDEX 64)	1	*	PAOZZ
	F12090-2-3	. SEE ABOVE (72962)	1	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
65	W901K20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2		PAOZZ
	14C12-20A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
	W901C20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
66	MS29513-218	. PACKING	4		PAOZZ
67	74A586324-1011	. TUBE ASSEMBLY, METAL - PILOT VALVE RH PORT TO REFUEL V (76301) (SUPERSEDES 74A586324-1007)	1		XBOZZ
68	NAS1787A32G	. CLAMP	1		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 19)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
69	2760008-117	.	VALVE, SHUTOFF - FUEL TRANSFER (TANK						1		PAOZZ
			3) (NO. 3 FUEL TANK FUEL LEVEL								
			CONTROL SHUTOFF VALVE) (92003)								
			(MCDONNELL SPEC 74-580163-117)								
			(REPLACES 2760008-115, 2760008-111,								
			AND 2760008-109) (5VAP605)								
	2760008-115	.	SEE ABOVE (MCDONNELL SPEC						1	*	PAOZZ
			74-580163-115)								
	2760008-111	.	SEE ABOVE (MCDONNELL SPEC						1	*	PAOZZ
			74-580163-111)								
	2760008-109	.	SEE ABOVE (MCDONNELL SPEC						1	*	PAOZZ
			74-580163-111)								
	NAS674V5	.	BOLT (AP)						4		PAOZZ
	AN960JD10L	.	WASHER (AP)						4		PAOZZ
	MS29513-229	.	PACKING (USE WITH INDEX 69)						1		PAOZZ
70	W901K32DE	.	COUPLING. CLAMP, GROOVED (79326)						4	*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
	14J12-32A	.	COUPLING, CLAMP, GROOVED (24984)						4	*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
71	74A586337-1005	.	TUBE ASSEMBLY, METAL - VENT TANK						1		XBOZZ
			SCAV LINE THRU TANK 3 (76301)								
			(SUPERSEDES 74A586337-1003)								
72	74A586330-1003	.	TUBE ASSEMBLY, METAL - TRANSFER						1		XBOZZ
			LINE, TANK 3 (76301) (SUPERSEDES								
			74A586330-1001)								
73	74A586266-1003	.	TEE ASSY, TRANSFER PUMP - TANK NO. 2						1		XBOOO
			(76301) (REPLACES 74A586266-1001)								
	74A586266-1001	.	TEE ASSY, TRANSFER PUMP - TANK NO. 2						1	*	XBOOO
			(76301)								
	NS103597-02	.	NUT, SELF-LOCKING, PLATE (MCDONNELL						4		PAOZZ
			SPEC ST3M470C3M) (USE WITH INDEX 73)								
	F10965-1-3	.	NUT, SELF-LOCKING, PLATE (MCDONNELL						4		PAOZZ
			SPEC ST3M470C3M) (USE WITH INDEX 73)								
	F29339-01-3	.	NUT, SELF-LOCKING, PLATE (MCDONNELL						4		PAOZZ
			SPEC ST3M470C3M) (USE WITH INDEX 73)								
	MS20426AD3 #	.	RIVET (AP)						2		-
74	74A586309-2033	.	ANGLE (76301)						2		XBOZZ
	NAS673V4	.	BOLT (AP) (BOTTOM)						2		PAOZZ
	NAS673V3	.	BOLT (AP) (SIDE)						2		PAOZZ
	AN960JD10	.	WASHER (AP)						4		PAOZZ
75	74A586329-1005	.	TUBE ASSEMBLY, METAL - FUEL TRANSFER						1		XBOZZ
			SYSTEM, TANK NO. 3 (76301) (SUPER								
			SEDES 74A586329-1003)								
76	7M637BD-6D	.	NIPPLE, TUBE (76301)						1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 76)						1		PAOZZ
77	74A586326-1005	.	MANIFOLD, DEFUELING - TANK NO. 3 (76301) . . .						1		XBOZZ
	NAS673V2	.	BOLT (AP)						6		PAOZZ
	AN960JD10L	.	WASHER (AP)						6		PAOZZ
78	74A586303-2421	.	RETAINER (76301)						1		XBOZZ
79	74A586303-2399	.	RETAINER (76301)						1		XBOZZ
80	74A586303-2353	.	RETAINER (76301)						1		XBOZZ
81	74A586303-2369	.	RETAINER (76301)						1		XBOZZ
82	74A586303-2309	.	RETAINER (76301)						1		XBOZZ
83	74A586303-2327	.	RETAINER (76301)						1		XBOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 20)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
84	74A586303-2335	. WEB ASSY (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
85	74A586303-2375	. RETAINER (76301)	1		XBOZZ
86	55-6003	. DISK ASSEMBLY, VALVE, CHECK - FUEL SYSTEM, GRAVITY FEED (INVERTED FLIGHT CHECK VALVE) (96736) (MCDONNELL SPEC 74J588006-107)	4		PAOZZ
	NAS1802-06-9	. SCREW (AP)	4		PAOZZ
	AN960JD6L	. WASHER (AP)	4		PAOZZ
	74A586204-2185	. SCREEN ASSY (76301) (USE WITH INDEX 86)	1		XBOOO
	74A586286-2001	. SEAL PLATE - CHECK VALVE, FUEL TANK (76301) (USE WITH INDEX 86)	1		XBOZZ
87	7M637BT-6D	. NIPPLE, TUBE (76301)	2		PAOZZ
	AN924-6D	. NUT (USE WITH INDEX 87)	2		PAOZZ
	AN960JD916L	. WASHER (USE WITH INDEX 87)	2		PAOZZ
88	74A586297-2001	. GUIDE, PROBE - FUEL QTY, TANK 2 & 3 (76301) ..	1		XBOZZ
	NAS673V4	. BOLT (AP)	3		PAOZZ
	4M36-01016	. WASHER (AP) (76301)	6		PAOZZ
	NAS43DD3-8	. SPACER (AP)	3		PAOZZ
89	NAS673V6	. BOLT	14		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 89)	14		PAOZZ
90	NAS673V4	. BOLT	174		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 90)	174		PAOZZ
91	74A586303-2533	. SKIN ASSY (WEB) (76301)	1		XBOZZ
92	74A586303-2345	. WEB ASSY (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
93	74A586303-2325	. RETAINER (76301)	1		XBOZZ
94	74A586303-2519	. RETAINER (76301)	1		XBOZZ
95	74A586303-2371	. RETAINER (76301)	1		XBOZZ
96	74A586303-2563	. CENTER PANEL ASSY (76301) (DOUBLE HINGE) (FOR REPAIR SEE WP024 04)	1	G	XBOOO
97	74A586303-2547	. CENTER PANEL ASSY (76301) (SINGLE HINGE) (FOR REPAIR SEE WP024 04)	1	*H	XBOOO
98	74A586303-2531	. CENTER PANEL ASSY (76301) (FOR REPAIR SEE WP024 04)	1	*J	XBOOO
99	74A586303-2527	. RETAINER (76301)	1		XBOZZ
100	74A586303-2401	. RETAINER (76301)	1		XBOZZ
101	74A586303-2373	. RETAINER (76301)	1		XBOZZ
102	74A586303-2343	. WEB ASSY (76301) (NHPA 74A586303-2539, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
103	74A586303-2377	. RETAINER (FWD) (76301)	1		XBOZZ
104	74A586637-1005	. SCREEN ASSY - INVERTED FLIGHT BAFFLE, TANKS NO. 2 & 3 (76301)	1		XBOZZ
	NAS673V5	. BOLT (AP)	4		PAOZZ
	AN960JD10L	. WASHER (AP)	4		PAOZZ
105	74A586303-2535	. SKIN ASSY (WEB) (76301)	1		XBOOO
106	AN814-6D	. PLUG	1		PAOZZ
	AN924-6D	. NUT (AP)	1		PAOZZ
	AN960JD916L	. WASHER (AP) (ABOVE & BELOW BAFFLE)	2		PAOZZ
107	7M637BW-6D	. ELBOW, TUBE (76301)	2		PAOZZ
	AN924-6D	. NUT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP) (ABOVE & BELOW BAFFLE)	2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 21)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
108	74A586327-1007	. TUBE ASSEMBLY, METAL - DEFUEL, TANK NO. 3 (76301)	1		XBOZZ
109	7M637BT-6D	. NIPPLE, TUBE (76301)	1		PAOZZ
	AN924-6D	. NUT (AP)	1		PAOZZ
	AN960JD916L	. WASHER (AP)	1		PAOZZ
110	74A586303-2077	. PLATE ASSY (76301) (NHPA 74A586303-2539, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
111	74A586303-2339	. WEB ASSY (76301) (NHPA 74A586303-2539, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
112	74A586303-2039	. ZEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2539, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
113	74A586303-2381	. KNEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2539, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
114	74A586208-1002	. BRACKET, BAFFLE - FUEL TANK INVERTED FLIGHT (76301) (FOR REPAIR SEE WP024 04)	2		XBOOO
	NAS1291C4M	. NUT (AP) (TO TANK STUD)	2		PAOZZ
	AN960JD416L	. WASHER (AP) (TO TANK STUD)	2		PAOZZ
115	74A586303-2364	. KNEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2437, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
116	74A586303-2057	. ZEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
117	74A586303-2059	. ZEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
118	74A586303-2061	. ZEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
119	74A586303-2060	. ZEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
120	74A586312-1001	. TUBE ASSEMBLY, METAL - INVERTED FLT BAF, SURGE RLF, TK 3 (76301)	1		XBOOO
	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4) (USE WITH INDEX 120)	6	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4) (USE WITH INDEX 120)	6	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
121	74A586303-2058	. ZEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO
122	74A586303-2363	. KNEE ASSY (SUPPORT) (76301) (NHPA 74A586303-2537, SM&R CODE PBOOO) (FOR REPAIR SEE WP024 04)	1		XBOOO

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 22)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
123	74A586208-1001	.	BRACKET, BAFFLE - FUEL TANK INVERTED	....					2		XBOOO
			FLIGHT (76301) (FOR REPAIR SEE								
			WP024 04)								
	NAS1291C4M	.	NUT (AP) (TO TANK STUD)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP) (TO TANK STUD)	.....					2		PAOZZ
124	NAS673V2	.	BOLT	.....					2		PAOZZ
	AN960JD10	.	WASHER (USE WITH INDEX 124)	.....					2		PAOZZ
125	74A586303-2427	.	KNEE ASSY (SUPPORT) (76301) (NHPA	.....					1		XBOOO
			74A586303-2539, SM&R CODE PBOOO)								
			(FOR REPAIR SEE WP024 04)								
126	74A586303-2040	.	ZEE ASSY (SUPPORT) (76301) (NHPA	.....					1		XBOOO
			74A586303-2539, SM&R CODE PBOOO)								
			(FOR REPAIR SEE WP024 04)								
127	74A586303-2425	.	SUPPORT ASSY (76301) (NHPA 74A586303-	.....					1		XBOOO
			2539, SM&R CODE PBOOO) (FOR REPAIR								
			SEE WP024 04)								
128	74A586303-2467	.	ZEE ASSY (SUPPORT) (76301) (NHPA	.....					1		XBOOO
			74A586303-2539, SM&R CODE PBOOO)								
			(FOR REPAIR SEE WP024 04)								
129	74A586303-2079	.	CHANNEL ASSY (SUPPORT) (76301) (NHPA	.....					1		XBOOO
			74A586303-2539, SM&R CODE PBOOO)								
			(FOR REPAIR SEE WP024 04)								
130	74A586303-2043	.	CHANNEL ASSY (SUPPORT) (76301) (NHPA	.....					1		AOOOO
			74A586303-2539, SM&R CODE PBOOO)								
			(FOR REPAIR SEE WP024 04)								
131	74A586303-2041	.	ZEE ASSY (SUPPORT) (76301) (NHPA	.....					1		XBOOO
			74A586303-2539, SM&R CODE PBOOO)								
			(FOR REPAIR SEE WP024 04)								
132	74A586303-2423	.	SUPPORT ASSY (76301) (NHPA 74A586303-	.....					1		XBOOO
			2539, SM&R CODE PBOOO) (FOR REPAIR								
			SEE WP024 04)								
133	74A586309-1011	.	BRACKET (SUPPORT) (76301)	.....					2		XBOOO
	NAS673V2	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
	MS21062L3	.	NUT, PLATE	.....					4		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
134	MS25281R6	.	CLAMP (SUPERSEDES MS25281-6)	.....					1		PAOZZ
	NAS673V4	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					1		PAOZZ
135	74A586372-1005	.	TUBE ASSEMBLY, METAL - FILTER Y434.6	.....					1		MGOZZ
			PORT TO Y422/Z103 UN (76301)								
136	7M637BD-6D	.	NIPPLE, TUBE (76301)	.....					1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 136)	.....					1		PAOZZ
137	741100-103A	.	VALVE, FLOAT, AIRCRAFT - FUEL TANK,	.....					1		PAOZZ
			DEFUELING (DEFUEL VALVE) (96124)								
			(MCDONNELL SPEC 74-580111-103)								
			(5VAP521) (REPLACES 741100-103								
			AND 741100-101)								
	741100-103	.	SEE ABOVE	.....					1	*	PAOZZ
	741100-101	.	VALVE, FLOAT, AIRCRAFT - FUEL TANK,	.....					1	*	PAOZZ
			DEFUELING (DEFUEL VALVE) (96124)								
			(MCDONNELL SPEC 74-580111-101)								
			(5VAP521)								

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	MS29513-226	. PACKING (USE WITH INDEX 137)	1		PAOZZ
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
138	74A586686-1005	. TUBE ASSEMBLY, METAL - PRESS SNSR,	1		MGOZZ
		DEFUEL VALVE, TNK NO. 3 (76301)			
139	74A586309-2027	. BRACKET (76301)	2		MGOZZ
	NAS673V2	. BOLT (AP)	4		PAOZZ
	AN9603D10L	. WASHER (AP)	4		PAOZZ
140	74A586368-1005	. TUBE ASSEMBLY, METAL - FILTER TEE TO	1		MGOZZ
		Y428 INTERCON VALVE (76301)			
141	74A585002-2003	. FEED ASSEMBLY FUEL (NO. 3 FUEL TANK	1		PAOZZ
		GRAVITY FEED CHECK VALVE) (76301)			
		(5VAP608)			
	NAS1802-06-7	. SCREW (USE WITH INDEX 141)	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 141)	2		PAOZZ
	NAS1291C06M	. NUT (USE WITH INDEX 141)	2		PAOZZ
142	W702-40D	. NUT ASSEMBLY, TUBE COUPLING (79326)	2	*	PAOZZ
		(MCDONNELL SPEC ST7M191-40D)			
		(INCLUDES NUT AND 2 WASHERS)			
	12H72-40A	. SEE ABOVE (24984)	2	*	PAOZZ
143	MS29513-334	. PACKING	2		PAOZZ
144	W904K24DE	. COUPLING, CLAMP, GROOVED (HALF)	2	*	PAOZZ
		(79326) (MCDONNELL SPEC 7M765-24D1)			
	14C12-24A	. COUPLING, CLAMP, GROOVED (HALF)	2	*	PAOZZ
		(24984) (MCDONNELL SPEC 7M765-24D1)			
145	74A586334-1003	. TUBE ASSEMBLY, METAL - PUMP MOTIVE	1		XBOZZ
		FLOW, LH ENG, TANK 3 (76301)			
		(SUPERSEDES 74A586334-1001)			
146	74A586333-1003	. TUBE ASSEMBLY, METAL - FUEL SUPPLY,	1		XBOZZ
		LH, ENG, TANK NO. 3 (76301)			
		(SUPERSEDES 74A586333-1001)			
147	2760100-103	. TUBE ASSEMBLY (92003) (MCDONNELL	1		PBOZZ
		SPEC 74-580112-203)			
148	W702-32D	. NUT ASSEMBLY, TUBE COUPLING (79326)	2	*	PAOZZ
		(MCDONNELL SPEC ST7M191-32D)			
		(INCLUDES NUT AND 2 WASHERS)			
	12H72-32A	. SEE ABOVE (24984)	2	*	PAOZZ
149	M529513-330	. PACKING	2		PAOZZ
150	7M637BY-6D	. ELBOW (76301)	1		PAOZZ
	AN924-6D	. NUT (USE WITH INDEX 150)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 150)	1		PAOZZ
151	55-7600-5	. VALVE, INTERCONNECT, FUEL PRESSURE	1		PAOZZ
		OPERATED (NO. 3 FUEL TANK PRESSURE			
		OPERATED INTERCONNECT VALVE)			
		(96736) (MCDONNELL SPEC 74-580110-			
		119) (5S-R131) (REPLACES 41400-109)			
	74B580188-1001	. SEE ABOVE (76301) (REPLACES 41400-109)	1	*	PAOZZ
	41400-111	. SEE ABOVE (04192) (MCDONNELL SPEC	1	*	PAOZZ
		74-580110-111) (REPLACES 41400-109)			
	41400-109	. VALVE, INTERCONNECT FUEL PRESSURE	1	*	PAOZZ
		OPERATED (NO. 3 FUEL TANK PRESSURE			
		OPERATED INTERCONNECT VALVE)			
		(04192) (MCDONNELL SPEC 74-580110-			
		109) (5S-R131) REPLACED BY 41400-111			
		OR 55-7600-5) (USE UNTIL EXHAUSTED)			

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 24)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
152	7M148V6 †	.	ELBOW (76301)	.....					1		PAOZZ
	7M148DA6 †	.	ELBOW (76301)	.....					1		PAOZZ
153	74A586687-1007	.	TUBE ASSEMBLY, METAL - GRAVITY FEED	.....					1		MGOZZ
			SIGNAL, TANK NO. 3 (76301) (SUPER-SEDES 74A586687-1001, 74A586687-1003 & 74A586687-1005)								
154	74A586331-1003	.	TUBE ASSEMBLY - ENGINE BOOST PMP,						1		PAOZZ
			RH, MOTIVE FLOW (NO. 3 FUEL TANK WASH FILTER) (76301) (5FAP633)								
155	W904K24DE	.	COUPLING, CLAMP, GROOVED (HALF)	.....					1		PAOZZ
			(79326) (MCDONNELL SPEC 7M765-24D1)								
	14C12-24A	.	COUPLING, CLAMP, GROOVED (HALF)	.....					1		PAOZZ
			(24984) (MCDONNELL SPEC 7M765-24D1)								
	W904F24DE	.	COUPLING, CLAMP, GROOVED (HALF)	.....					1	*	PAOZZ
			(79326) (MCDONNELL SPEC 7M550-24D1)								
156	NAS1787A24G	.	CLAMP	.....					2		PAOZZ
	NAS674V9	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
157	2800099-104	.	EJECTOR, JET ENGINE FUEL BOOST PUMP	.....					1		PAOZZ
			(NO. 3 FUEL TANK ENGINE FUEL BOOST JET EJECTOR) (92003) (MCDONNELL SPEC 74-580112-209) (5BAP591)								
	NA5674VI	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
158	74A586332-1005	.	TUBE ASSEMBLY, METAL - BOOST PUMP	.....					1		XBOZZ
			MOTIVE FLOW, TANK NO. 3 (76301)								
159	7M637BD-6D	.	NIPPLE (76301)	.....					1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 159)	.....					1		PAOZZ
160	7M637BW-6D	.	ELBOW (76301)	.....					1		PAOZZ
	AN924-6D	.	NUT (USE WITH INDEX 160)	.....					1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 160)	.....					1		PAOZZ
161	74A586309-1007	.	BRACKET ASSY (76301)	.....					1		XBOOO
	NAS673V3	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
162	74A586244-2005	.	WASHER (RETAINER) (76301)	.....					4		PAOZZ
163	M25988-1-312	.	PACKING	.....					4		PAOZZ
164	74A585735-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 1.00	.....					5		PAOZZ
			DIA, ASSY OF (76301)								
	74A585735-1001 ¶	.	SEE ABOVE	.....					5	*	PAOZZ
	LS580178-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 1.0	.....					5		PAOBZ
			IN DIA TUBE (03038) (MCDONNELL SPEC 74B580178-101)								
165	MS29513-325	.	PACKING	.....					5		PAOZZ
166	NAS673V2	.	BOLT	.....					2		PAOZZ
	AN960JD10	.	WASHER (USE WITH INDEX 166)	.....					2		PAOZZ
167	74A585734-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 1.25	.....					2		PAOZZ
			DIA, ASSY OF (76301)								
	74A585734-1001 ¶	.	SEE ABOVE	.....					2	*	PAOZZ
	LS580171-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 1.25	.....					2		PAOBZ
			IN DIA TUBE (03038) (MCDONNELL SPEC 74B580171-101)								
168	MS29513-327	.	PACKING	.....					2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 25)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
169	74A585733-2001 ¶	. RETAINER, FUEL CELL FITTING BHD, 2.00 DIA, ASSY OF (76301) (REPLACES LS580173-101)	4		PAOZZ
	74A585733-1001 ¶	. SEE ABOVE	4	*	PAOZZ
	LS580173-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 2.0 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580173-101)	2		PAOBZ
170	MS29513-333	. PACKING	4		PAOZZ
171	74A586303-2067	. BRACKET (76301)	1		XBOZZ
172	74A586303-2317	. BEAM ASSY (76301) (NHPA 74A586303-2539, SM&R CODE PBOOO)	1		XBOOO
	NAS1291C4M	. NUT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
173	74A585731-2001 ¶	. RETAINER, FUEL CELL FITTING BHD, 2.00 DIA, ASSY OF (76301)	2		PAOZZ
	74A585731-1001 ¶	. SEE ABOVE	2	*	PAOZZ
	LS580177-101 ¶	. LOCKNUT, TUBE FITTING - SPCL, BHD CONN, ... 2.5 DIA TUBE (03038) (MCDONNELL SPEC 74B580177-101)	2		PAOBZ
174	M529513-339	. PACKING	2		PAOZZ
175	74A585738-2001 ¶	. RETAINER, FUEL CELL FITTING BHD, ASSY OF (76301)	1		PAOZZ
	74A585738-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580176-101 ¶	. LOCKNUT, TUBE FITTING - SPCL, BHD CONN, ... 2.0 DIA TUBE (03038) (MCDONNELL SPEC 74B580176-101)	1		PAOBZ
176	M529513-335	. PACKING	2		PAOZZ
177	74A585739-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD, 1.50 DIA, ASSY OF (76301) (REPLACES LS580172-101)	3		PAOZZ
	74A585739-1001 ¶	. SEE ABOVE	3		PAOZZ
	LS580172-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 1.5 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580172-101)	3		PAOBZ
178	MS29513-329	. PACKING	3		PAOZZ
179	74A585730-2001 ¶	. RETAINER ASSEMBLY - FUEL CELL FITTING, ... BHD 2.50 DIA (76301)	3		PAOZZ
	74A585730-1001 ¶	. SEE ABOVE	3		PAOZZ
	LS580174-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 2.5 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101)	3		PAOBZ
180	MS29513-337	. PACKING	3		PAOZZ
181	M25988-1-312	. PACKING	1		PAOZZ
182	74A586244-2007	. WASHER (76301)	8		PAOZZ
183	NAS43DD4-28	. SPACER	1		PAOZZ
184	74A586309-1019	. BRACKET ASSY (76301)	1		XBOOO
	MS21062L4	. NUT. PLATE (USE WITH INDEX 184)	4		PAOZZ
	MS20470AD3 #	. RIVET (AP)	2		-
185	74A586309-2095	. SUPPORT (76301)	1		XBOZZ
186	NAS674V8	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 186)	1		PAOZZ
187	NAS674V6	. BOLT	2		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 187)	2		PAOZZ
188	NAS43DD4-20	. SPACER	2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 26)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
189	7M637BT-4D	. NIPPLE (76301)	3		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 189)	3		PAOZZ
	MS28773-04	. RETAINER (USE WITH INDEX 189)	3		PAOZZ
	AN6289D4	. NUT (USE WITH INDEX 189)	3		PAOZZ
190	7M637BY-4D	. ELBOW (76301)	3		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 190)	3		PAOZZ
	MS28773-04	. RETAINER (USE WITH INDEX 190)	3		PAOZZ
	AN6289D4	. NUT (USE WITH INDEX 190)	3		PAOZZ
191	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 191)	1		PAOZZ
192	MS29513-337	. PACKING	2		PAOZZ
193	LS580174-101	. LOCKNUT, TUBE FITTING - BHD CONN, 2.5 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101)	2		PAOBZ
194	7M637BT-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 194)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 194)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 194)	1		PAOZZ
195	74A586309-2029	. ANGLE (76301)	1		MGOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 195)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 195)	2	*	PAOZZ
196	74A586303-2313	. BEAM ASSY (AFT) (76301) (FOR REPAIR SEE WP024 04)	1		XBOOO
	NAS675V3	. BOLT (AP)	2		PAOZZ
	AN960JD516	. WASHER (AP)	2		PAOZZ
197	M25988-1-312	. PACKING (UNDER BEAM)	2		PAOZZ
198	74A582082-1003	. ADAPTER - TANK DRAIN AND VENT (76301)	1		PAOZZ
	74A582082-1001	. SEE ABOVE	1	*	PAOZZ
199	MS29513-213	. PACKING	1		PAOZZ
200	74A585741-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD PUMP, ... Y453.0 ASSY OF (76301)	1		PAOZZ
	74A585741-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580176-101 ¶	. LOCKNUT, TUBE FITTING - SPCL, BHD CONN, ... 2.0 DIA TUBE (03038) (MCDONNELL SPEC 74B580176-101)	1		PAOBZ
201	MS29513-335	. PACKING	1		PAOZZ
202	74A586662-2005	. SUPPORT, FUEL PUMP - MAIN EJECTOR, TANK .. NO. 3 LH (76301)	1		XBOZZ
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
203	M25988-1-312	. PACKING	7		PAOZZ
204	74A586661-1003	. SUPPORT, FUEL PUMP - MAIN EJECTOR, TANK .. NO. 3 (76301)	1		XBOZZ
	NAS674V1	. BOLT (AP)	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
205	74A586663-1001	. SUPPORT, FUEL LINE - MOTIVE FLOW, TANK ... NO. 3 (76301)	1		XBOOO
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
206	AN814-6D	. CAP ASSY	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 206)	1		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 206)	1		PAOZZ
207	7M637BT-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 207)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 207)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 207)	1		PAOZZ
208	NAS674V4	. BOLT	2		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 208)	2		PAOZZ
209	MS29513-117	. PACKING	1		PAOZZ
210	NAS674V6	. BOLT	2		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 210)	2		PAOZZ
211	NAS674V5	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 211)	1		PAOZZ
212	NAS674V2	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 212)	1		PAOZZ
213	MS29513-385	. PACKING	1		PAOZZ
	74K580003-1005 ++	. PACKING ASSORTMENT, PREFORMED -	1		PAOZZ
		FUEL TANK, NO. 3 (76301) (REPLACES 74K58003-1003)			
	74K580003-1003	. SEE ABOVE	1	*	PAOZZ
	MS29513-385	. PACKING	1		XAOZZ
	MS29513-339	. PACKING	2		XAOZZ
	MS29513-337	. PACKING	5		XAOZZ
	MS29513-335	. PACKING	2		XAOZZ
	MS29513-334	. PACKING	3		XAOZZ
	MS29513-333	. PACKING	4		XAOZZ
	MS29513-330	. PACKING	2		XAOZZ
	MS29513-329	. PACKING	3		XAOZZ
	MS29513-327	. PACKING	2		XAOZZ
	MS29513-325	. PACKING	5		XAOZZ
	MS29513-246	. PACKING	1		XAOZZ
	MS29513-243	. PACKING	1		XAOZZ
	MS29513-230	. PACKING	13		XAOZZ
	MS29513-226	. PACKING	22		XAOZZ
	MS29513-222	. PACKING	10		XAOZZ
	MS29513-218	. PACKING	5		XAOZZ
	MS29513-214	. PACKING	14		XAOZZ
	MS29513-213	. PACKING	2		XAOZZ
	MS29513-117	. PACKING	1		XAOZZ
	MS29513-110	. PACKING	1		XAOZZ
	MS29513-023	. PACKING	1		XAOZZ
	MS29513-015	. PACKING	2		XAOZZ
	MS29512-08	. PACKING	3		XAOZZ
	MS29512-06	. PACKING	5		XAOZZ
	MS29512-04	. PACKING	7		XAOZZ
	MS29588/1-022	. PACKING	1		XAOZZ
	M25988/1-312	. PACKING	15		XAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 28)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE

¶ NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS AND NON-PROTRUDING TYPE BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS. REF WP042 00 & WP013 02.

¢ AMFUEL OR UNIROYAL INDIVIDUAL BACKING BOARDS MUST BE REPLACED BY SAME MANUFACTURERS PART, COMPLETE SETS OF AMFUEL OR UNIROYAL BACKING BOARDS MAY BE USED WITH EITHER AMFUEL OR UNIROYAL TANKS

+ + USER MAY COMPLETE TANK INSTALLATION AND HAVE PACKINGS REMAINING BECAUSE KIT CONTAINS ENOUGH PACKINGS TO COVER ALL EFFECTIVITIES

† MUST BE USED WITH 74A586687-1005, 74A586687-1003 AND 74A586687-1001

CODE	USABLE ON	MODEL
A	DELETED	
B	DELETED	
C	DELETED	
D	DELETED	
E	161353 THRU 161715 AFTER F/A-18 IAFB 017 PART 2	F/A-18A/B
F	161353 THRU 161715 BEFORE F/A-18 IAFB 017 PART 2	F/A-18A/B
G	161702 AND UP	F/A-18A/B
H	161520 THRU 161528	F/A-18A
J	161353 THRU 161360 AND 161365 THRU 161519	F/A-18A/B

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 29)

ORGANIZATIONAL MAINTENANCE**SYSTEM MAINTENANCE WITH IPB****IPB - NO. 3 FUEL TANK (5CAP510)****FUEL STORAGE SYSTEM****EFFECTIVITY: 161716 AND UP****Record of Applicable Technical Directives**

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 IAFC 034	6 Oct 83	Fuel System, Defuel Tube Flange, Modification of (ECP MDA-F/A-18-00055C1)	15 Sep 83	-
F/A-18 IAFC 034 Amend 1	13 Oct 83	(Adds Additional Required Material) (ECP MDA-F/A-18-00055C1)	1 Apr 88	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of, (ECP MDA F/A-18-00084R1)	1 Jun 84	-

1. ILLUSTRATED PARTS BREAKDOWN.

2. Removal procedure for No. 3 Fuel Tank is in WP022 01. Index numbers in this WP match those in WP022 01.

3. Installation procedure for No. 3 Fuel Tank is in WP023 01. Index numbers in this WP match those in WP023 01.

4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

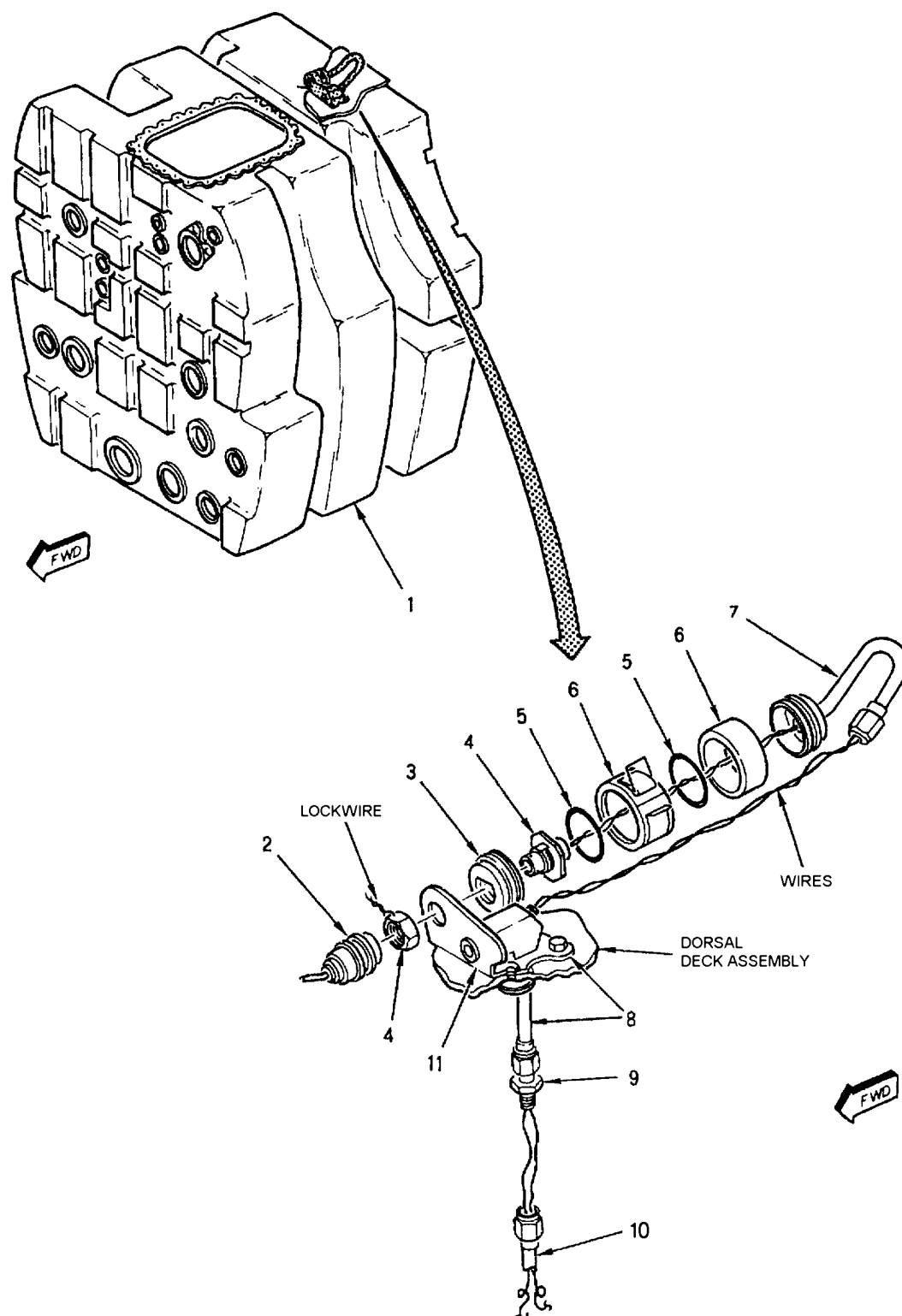
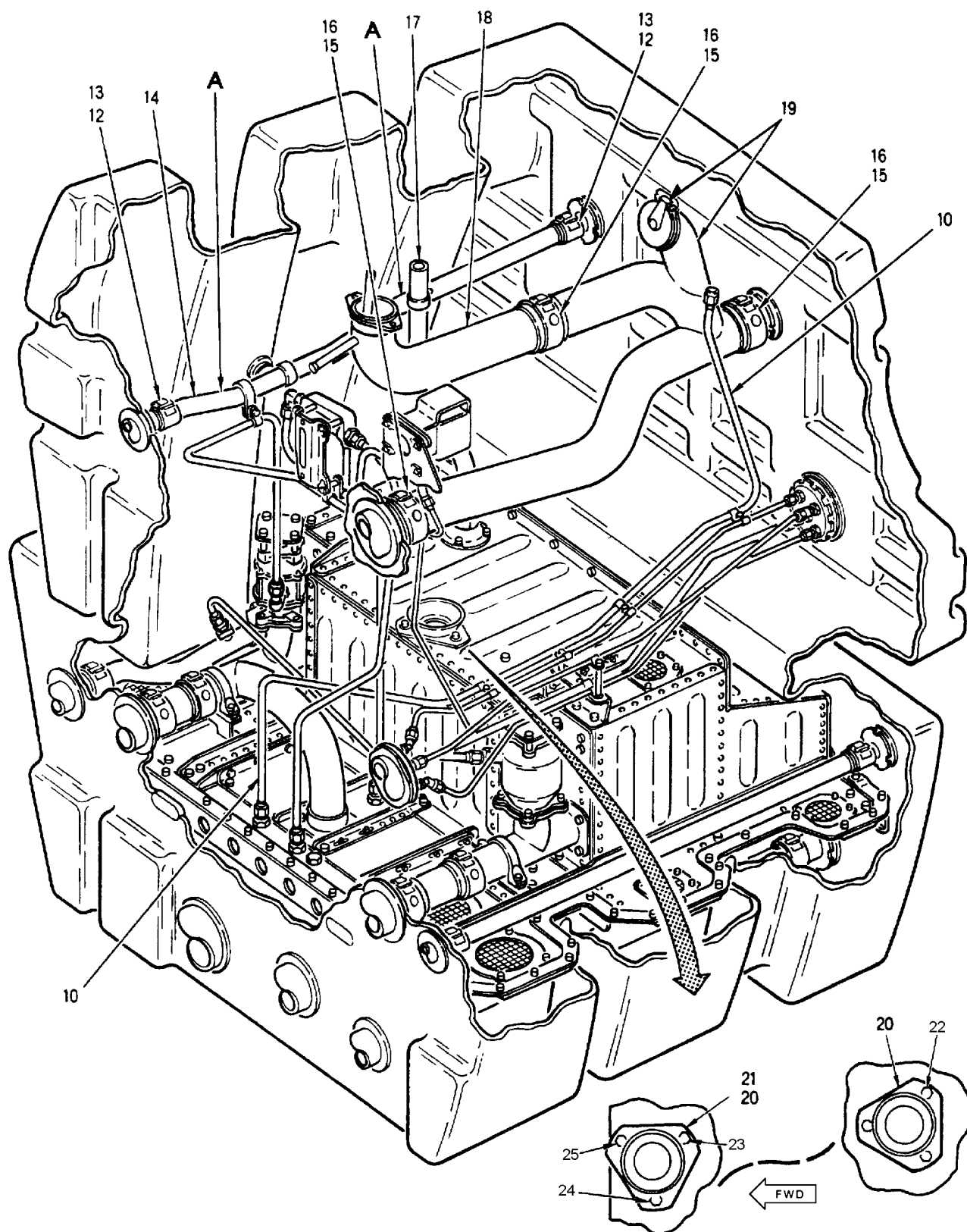


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 1)



24020102

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 2)

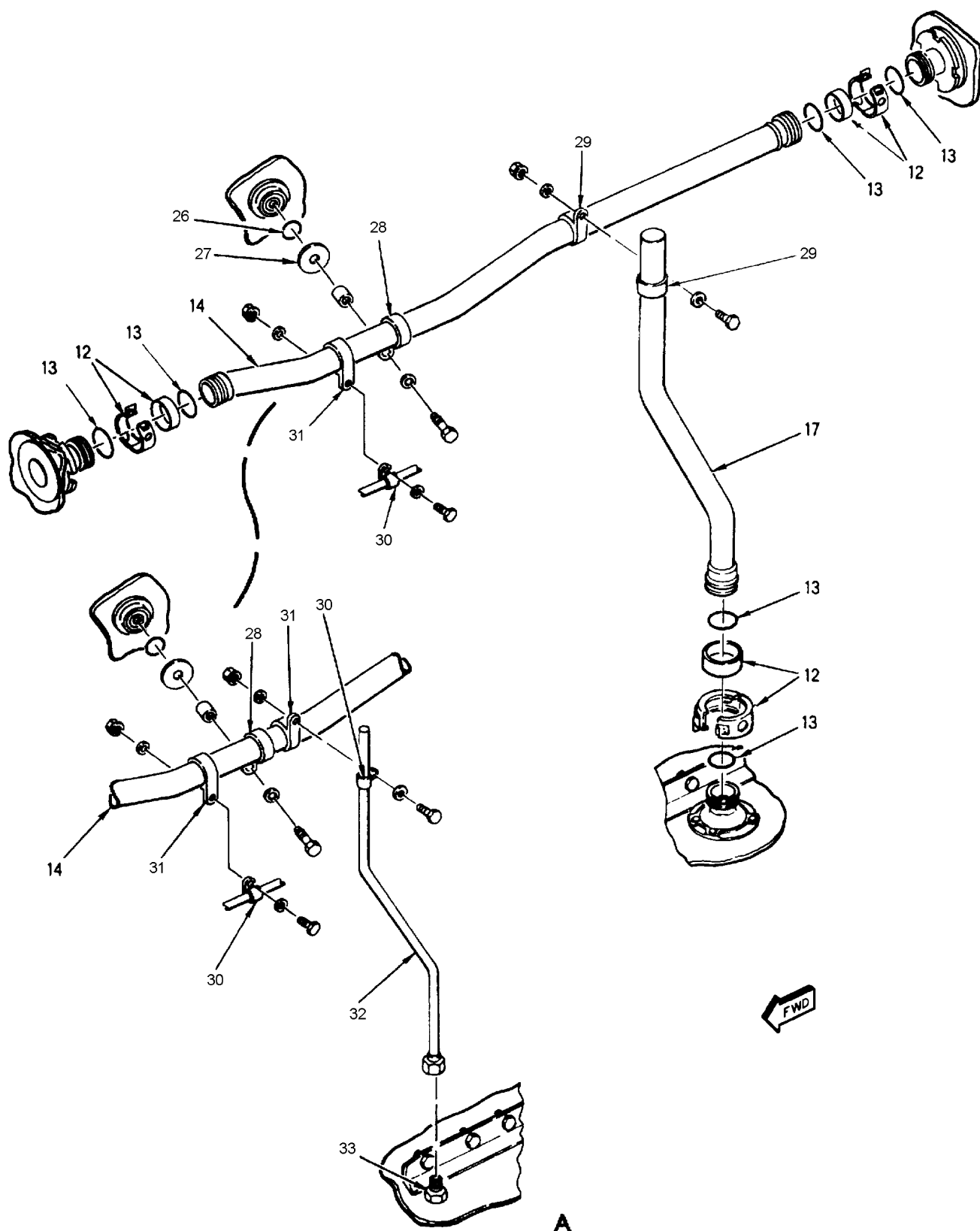


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 3)

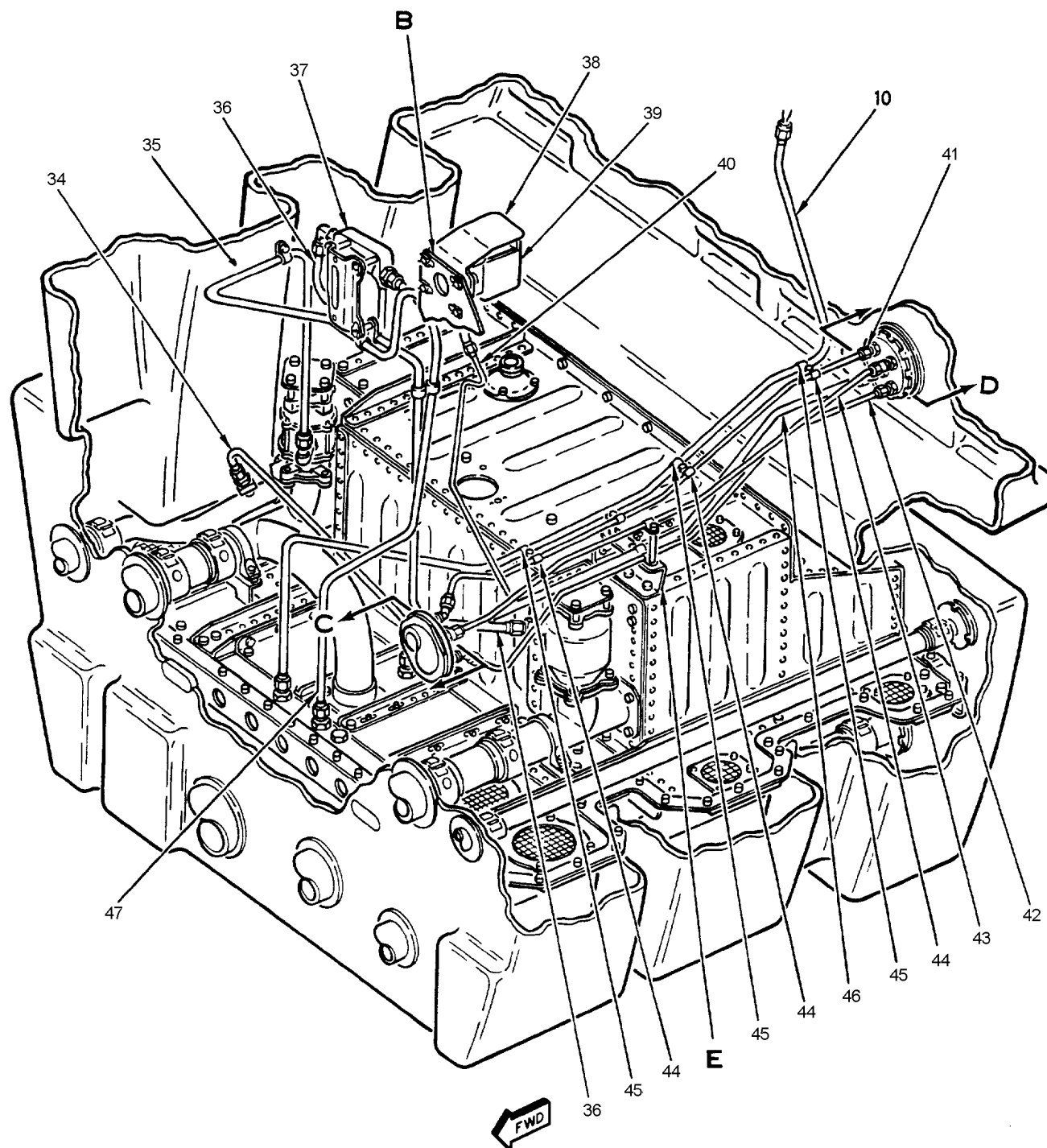


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 4)

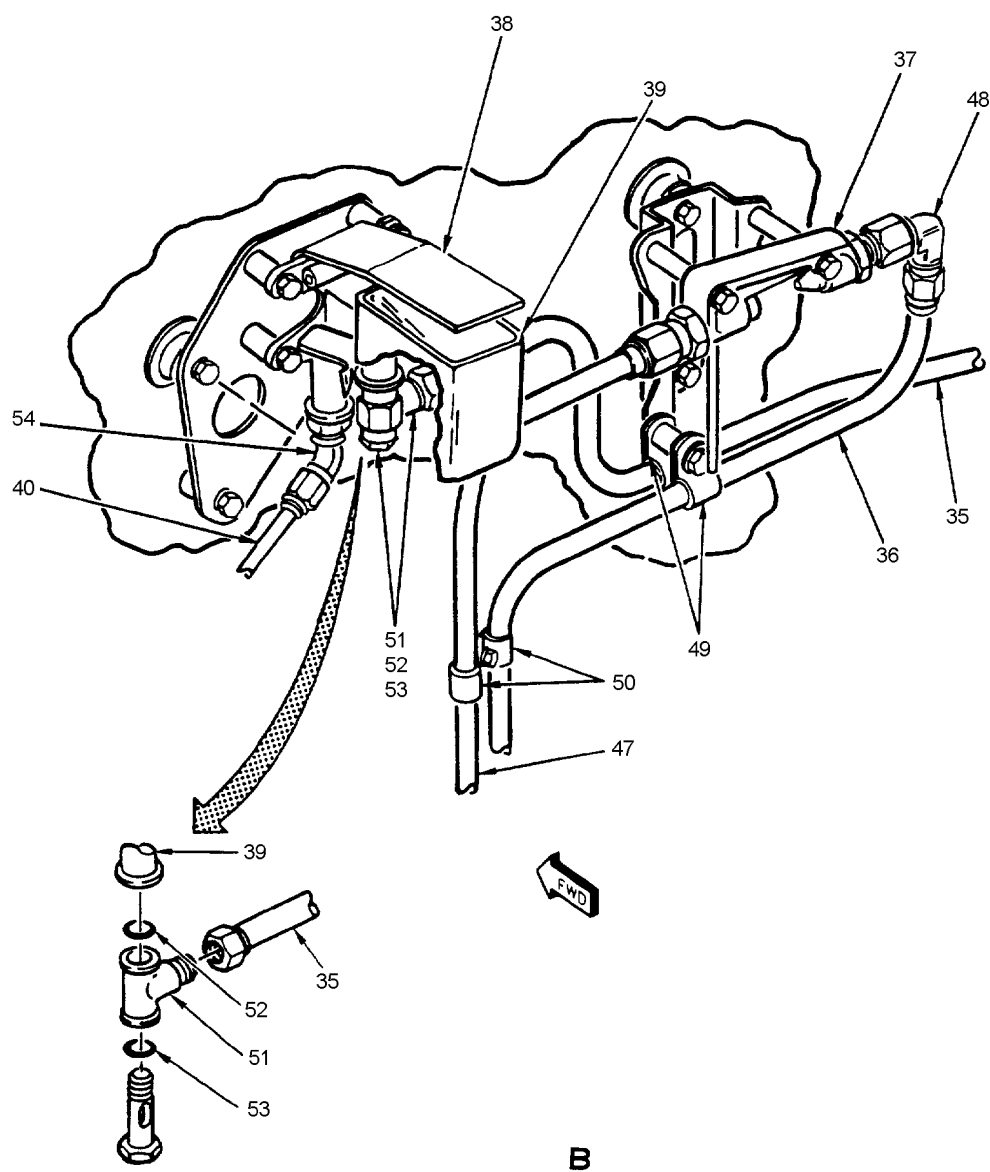
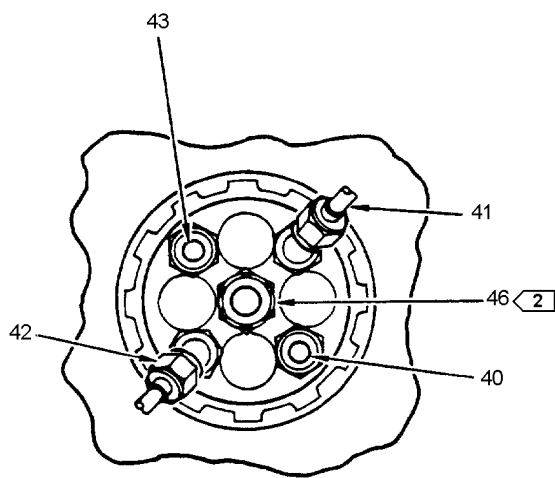
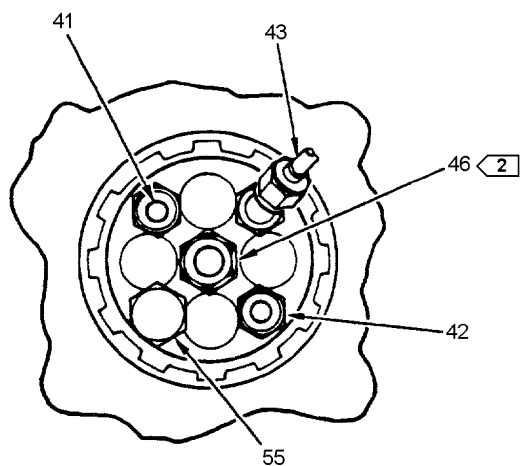


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 5)



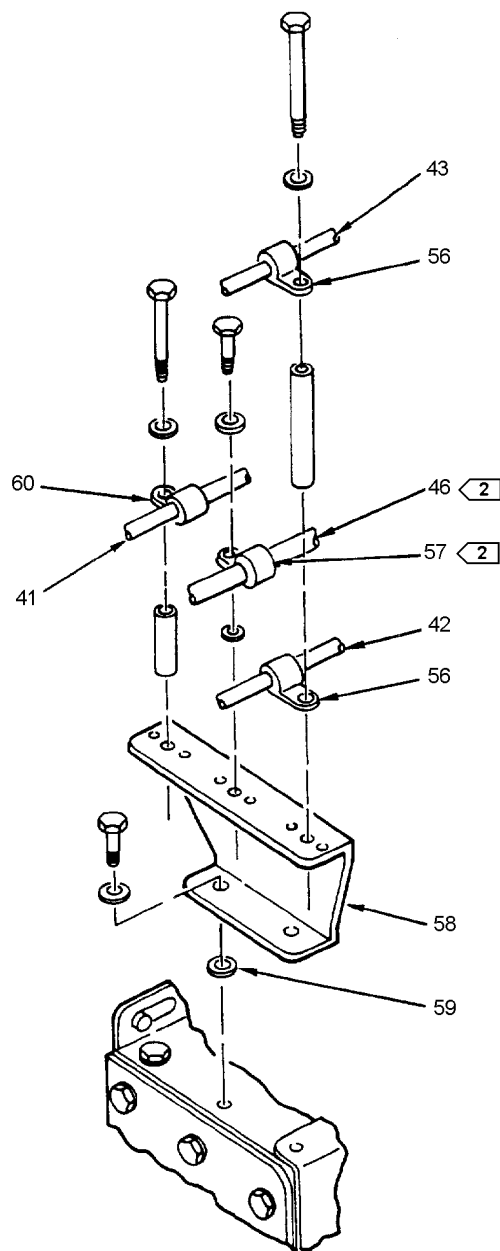
LOOKING FWD

C



LOOKING AFT

D



E

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 6)

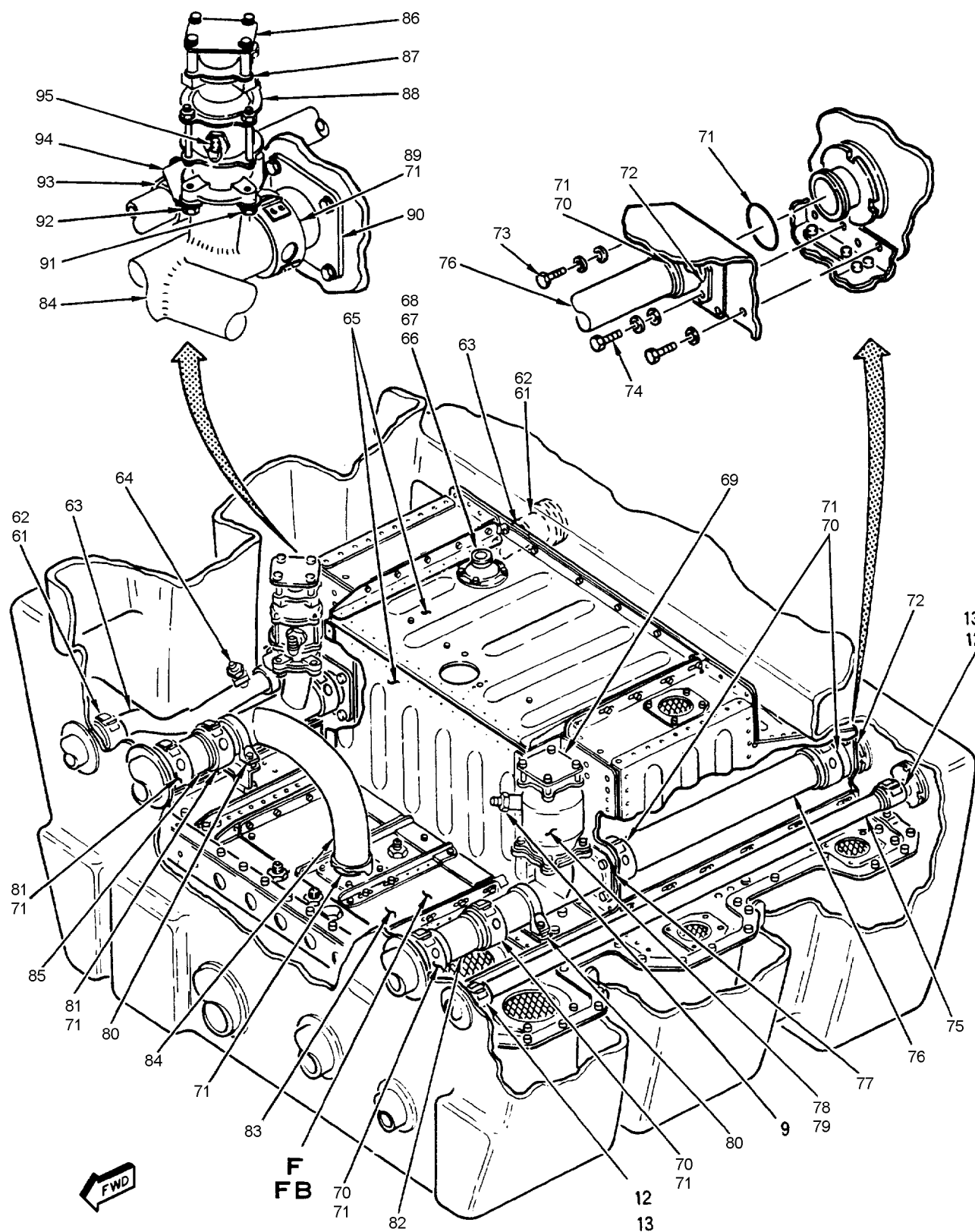


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 7)

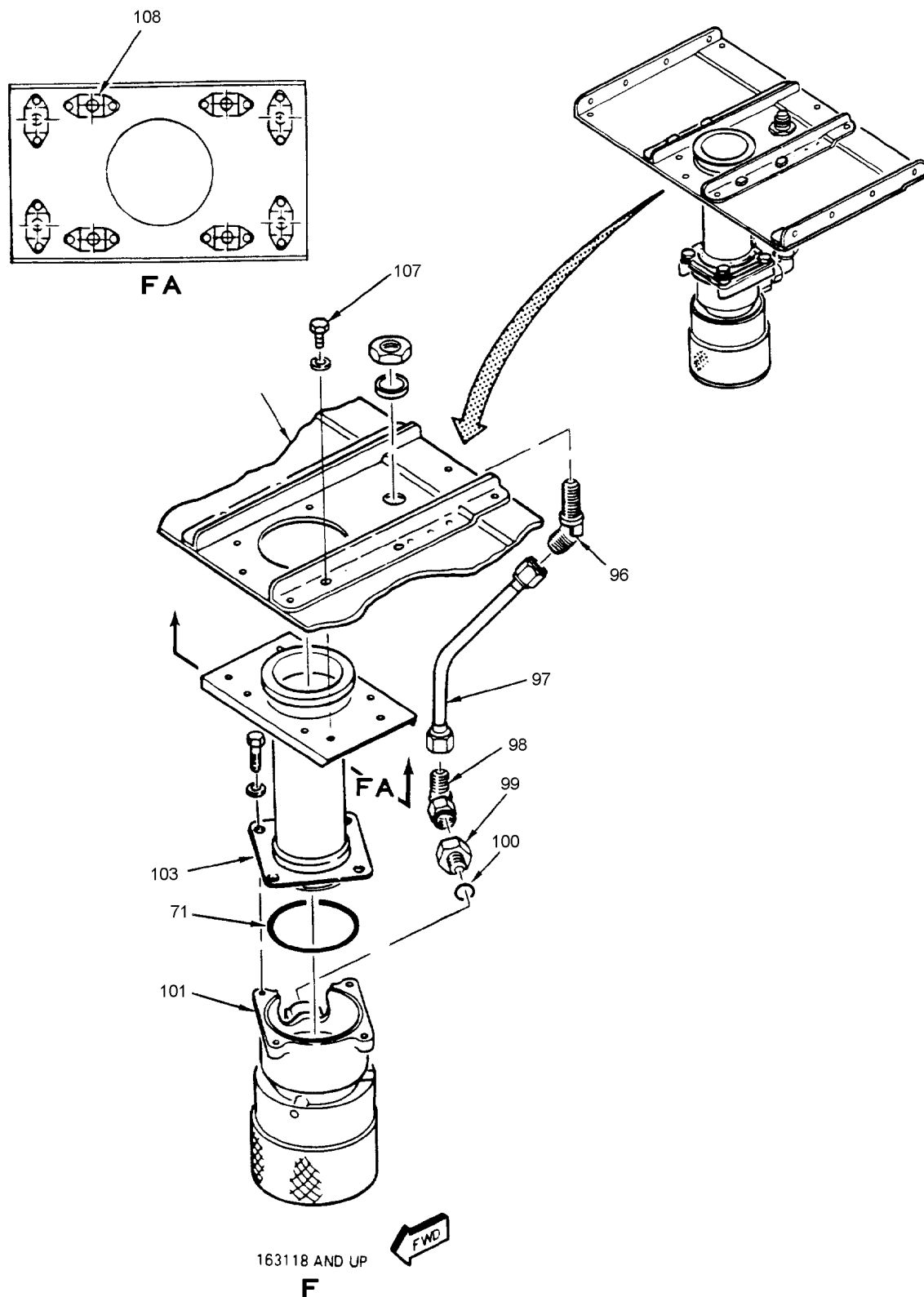


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 8)

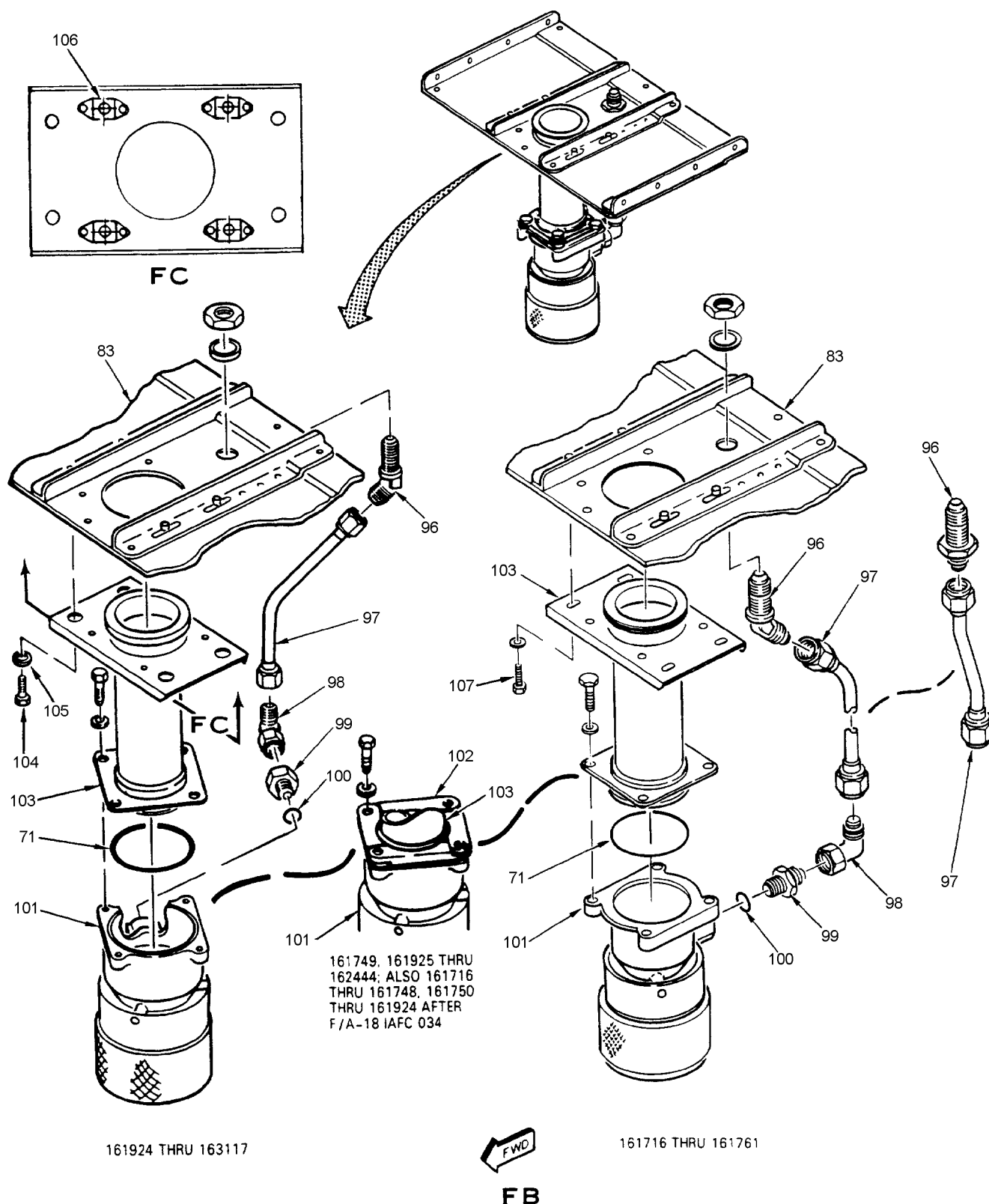


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 9)

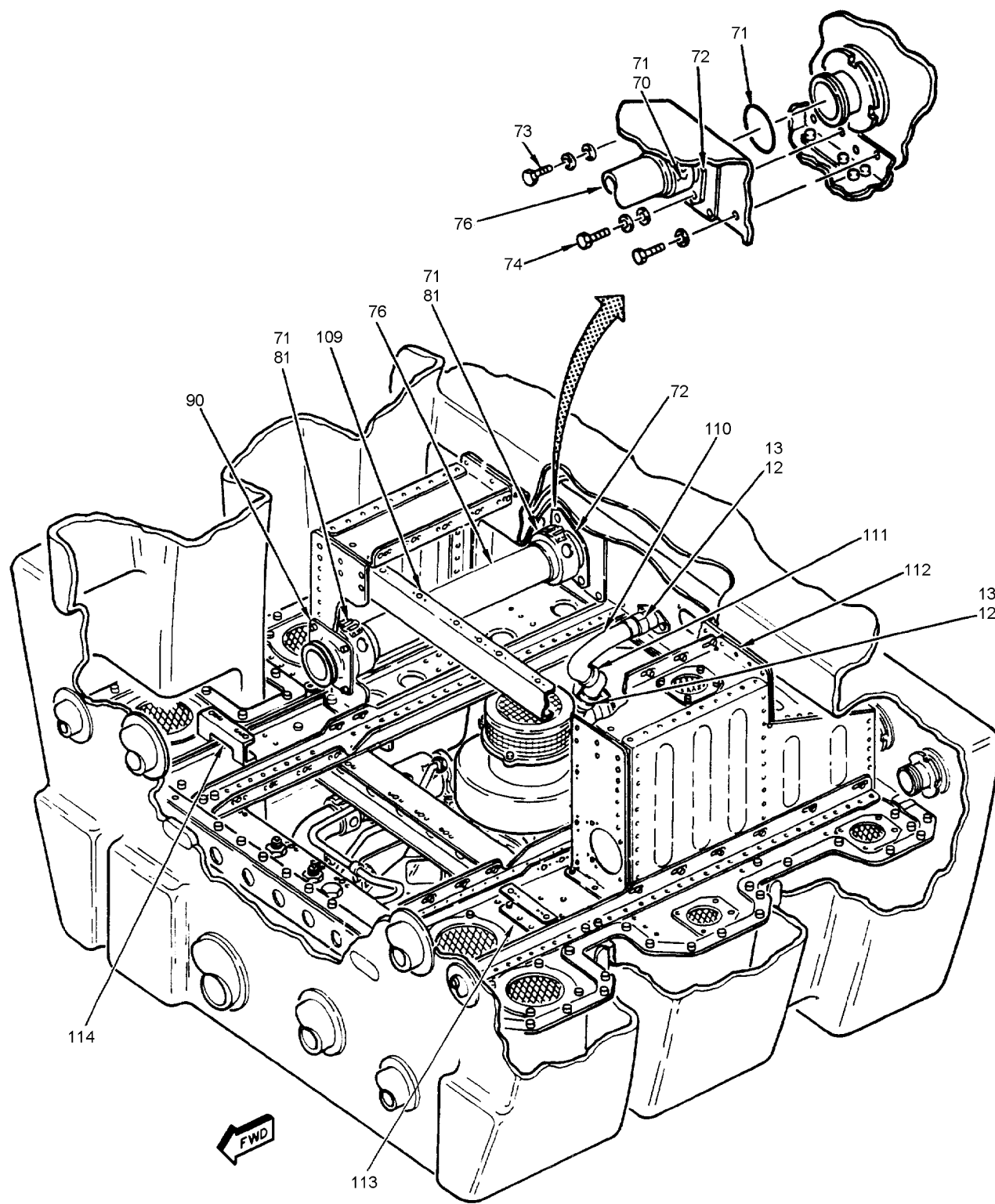
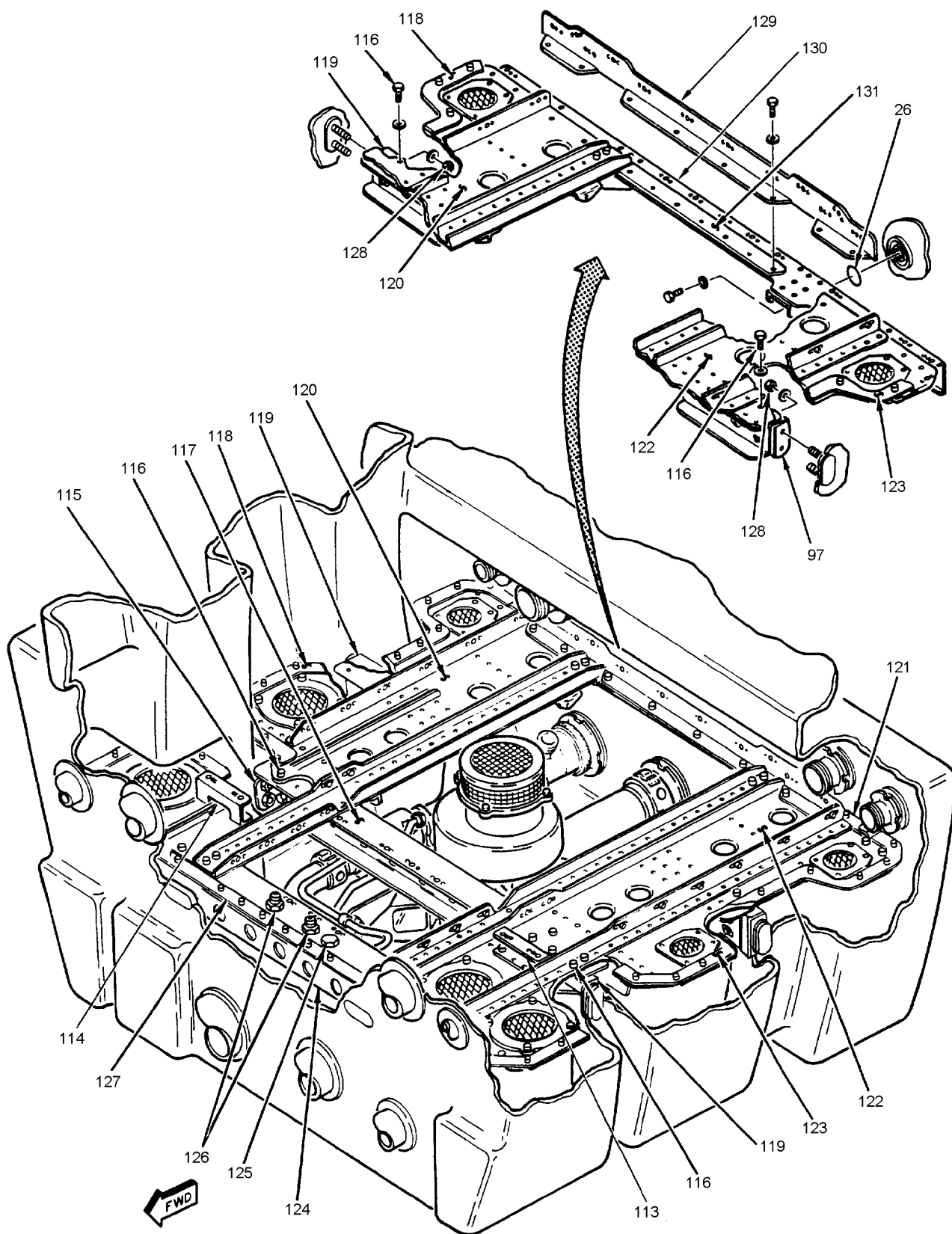


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 10)



24020111

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 11)

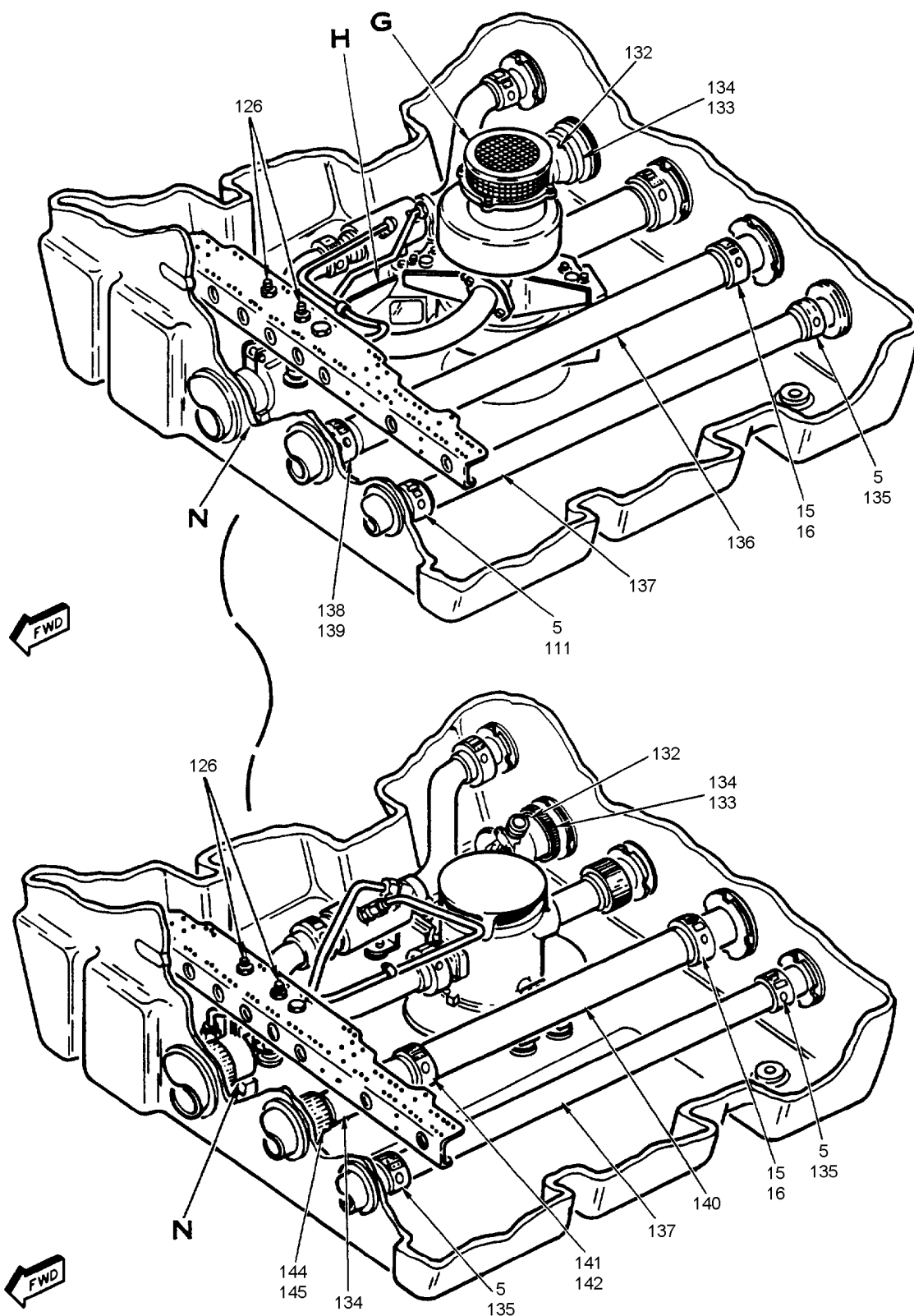


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 12)

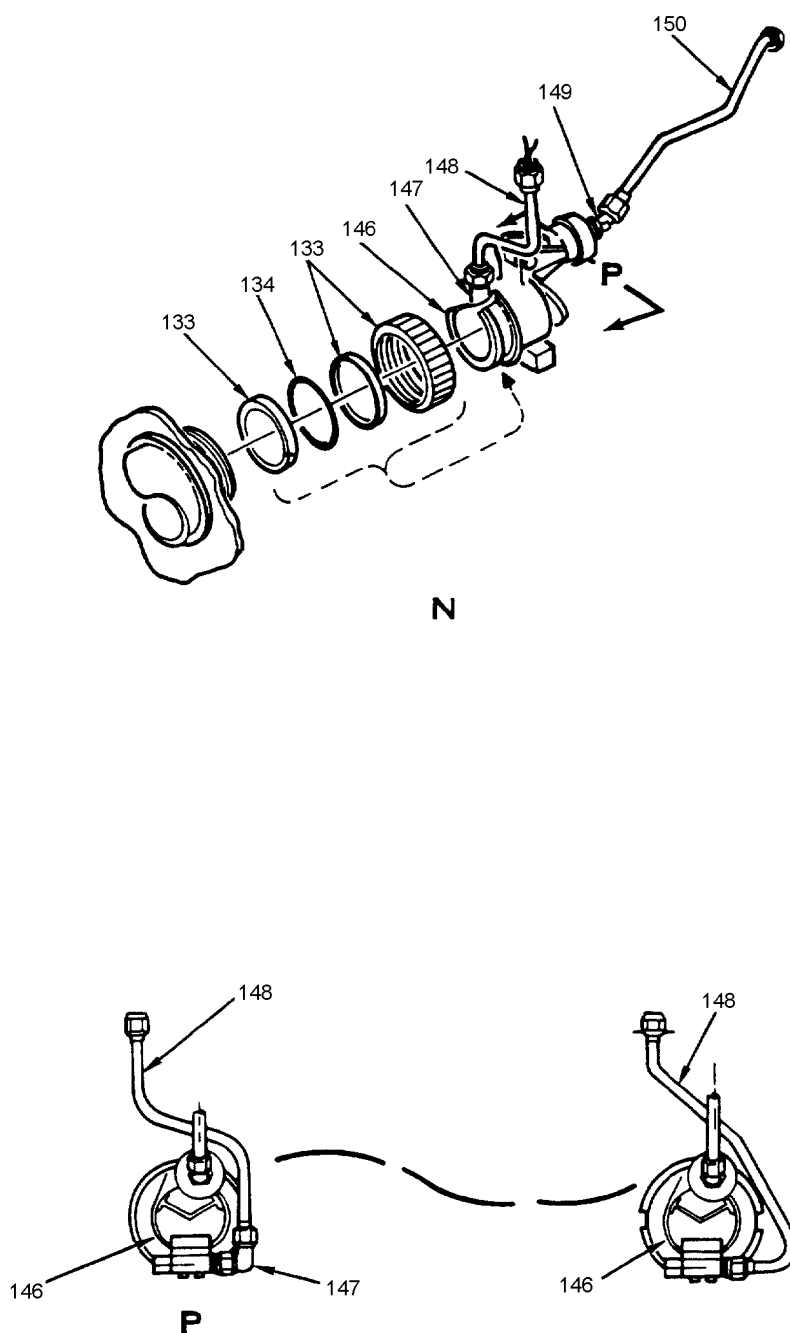


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 13)

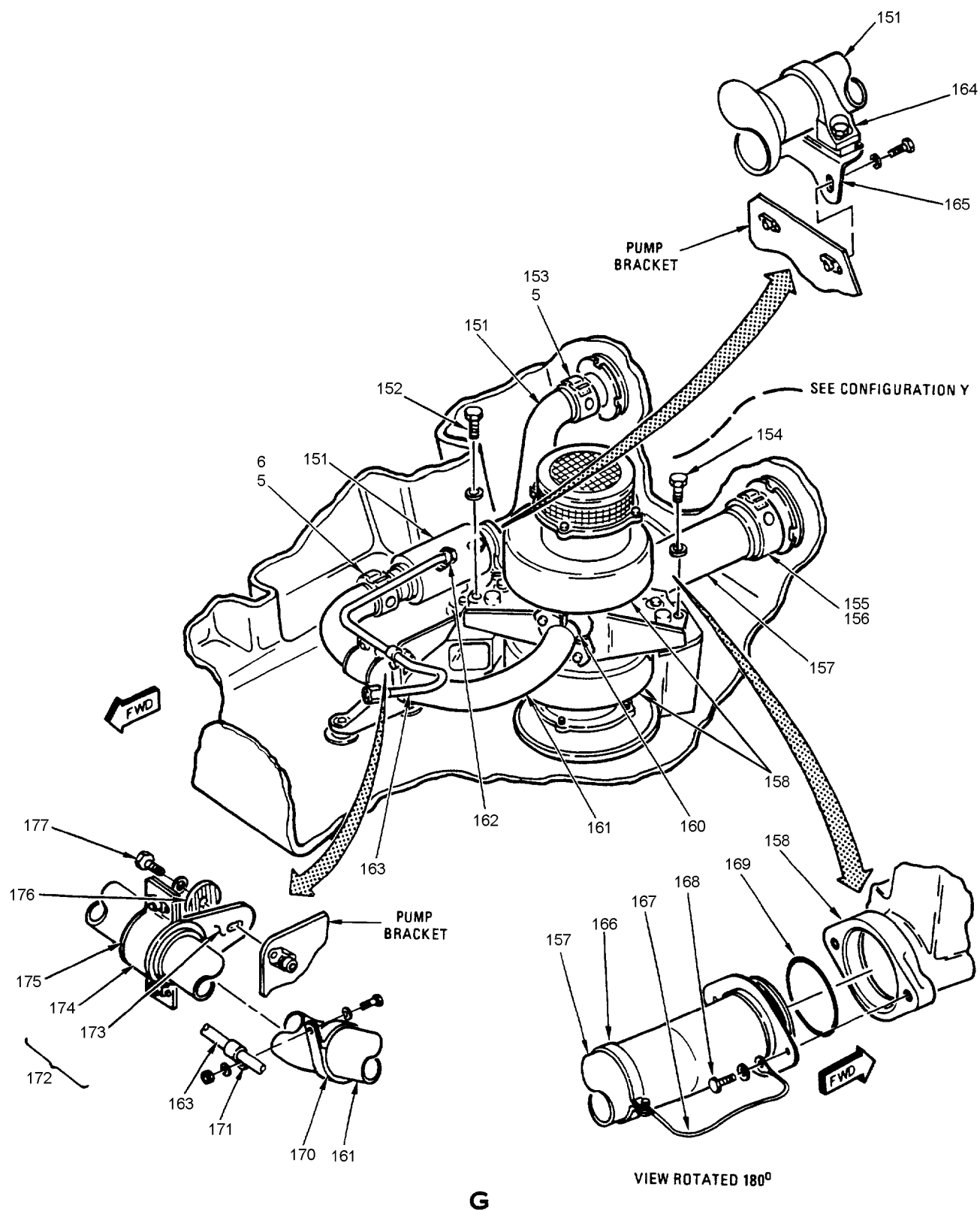


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 14)

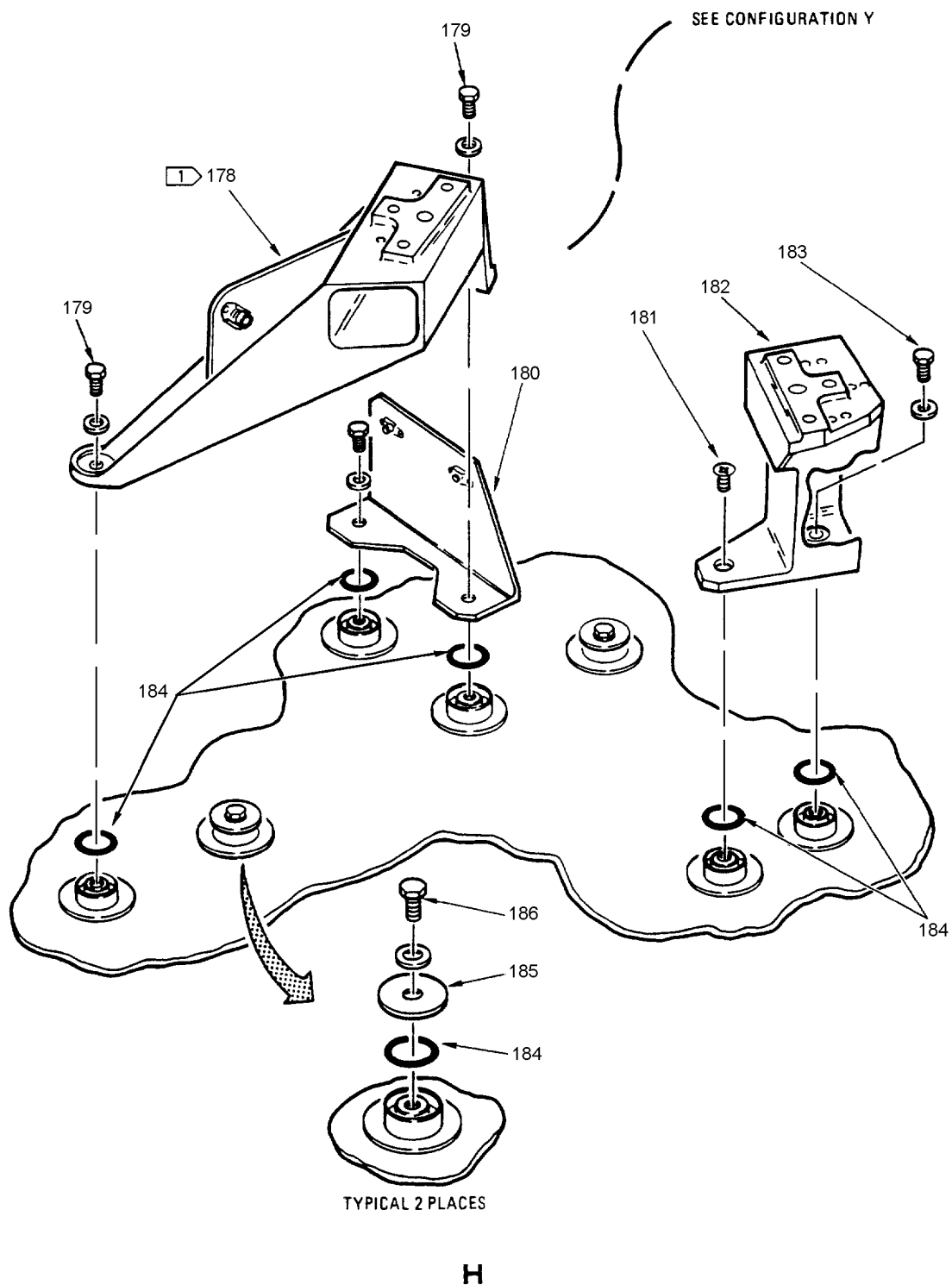


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 15)

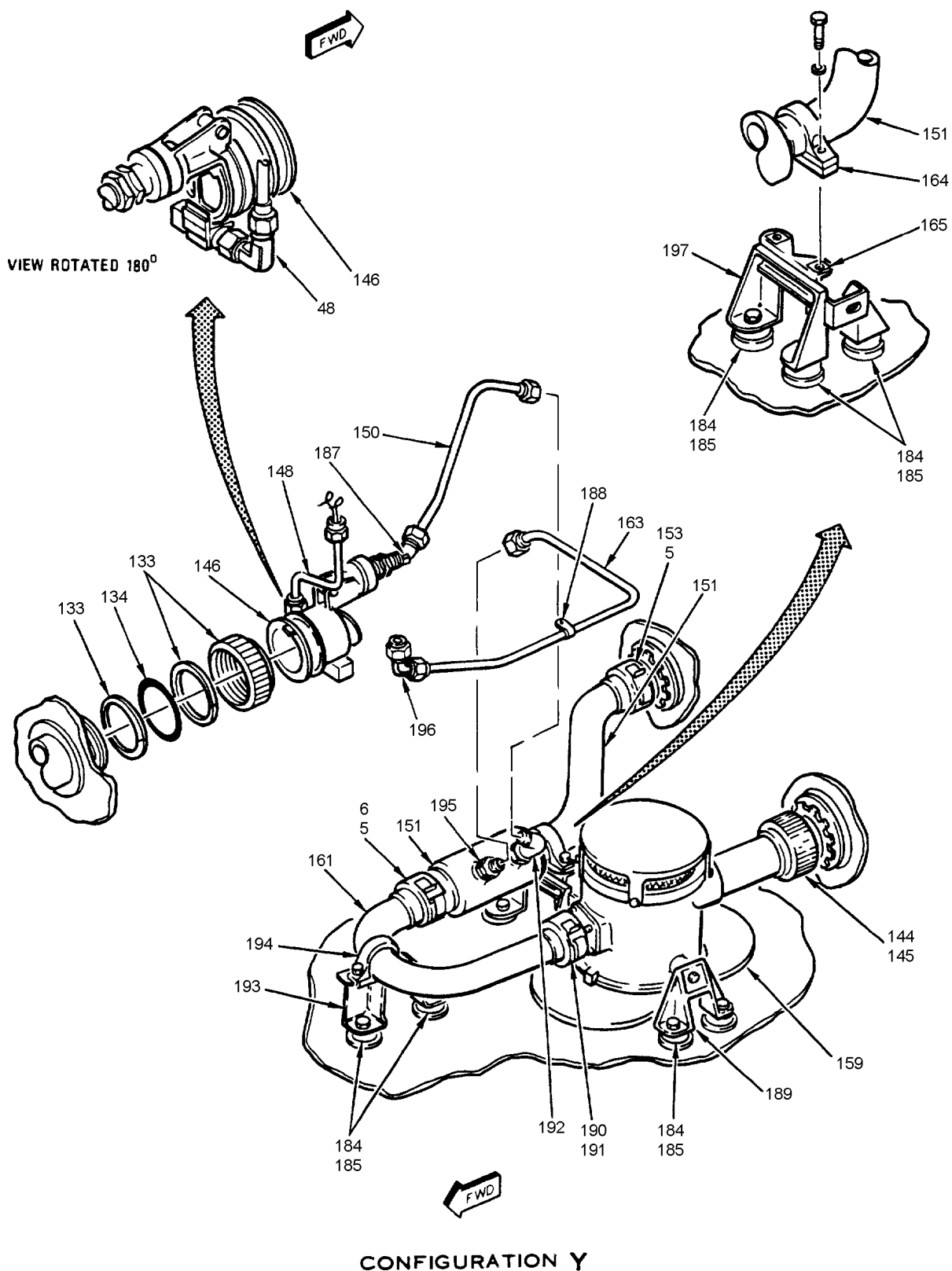


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 16)

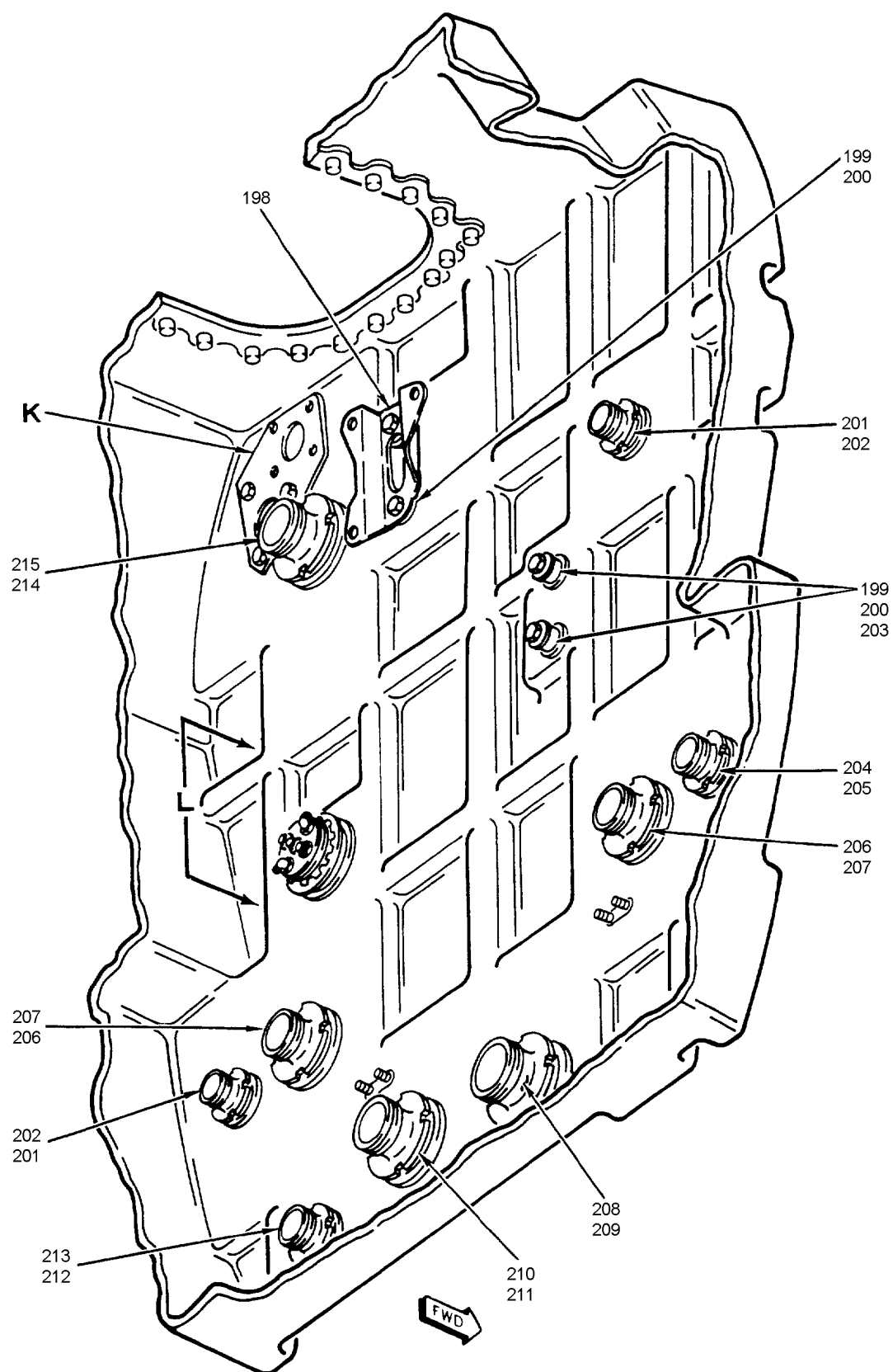


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 17)

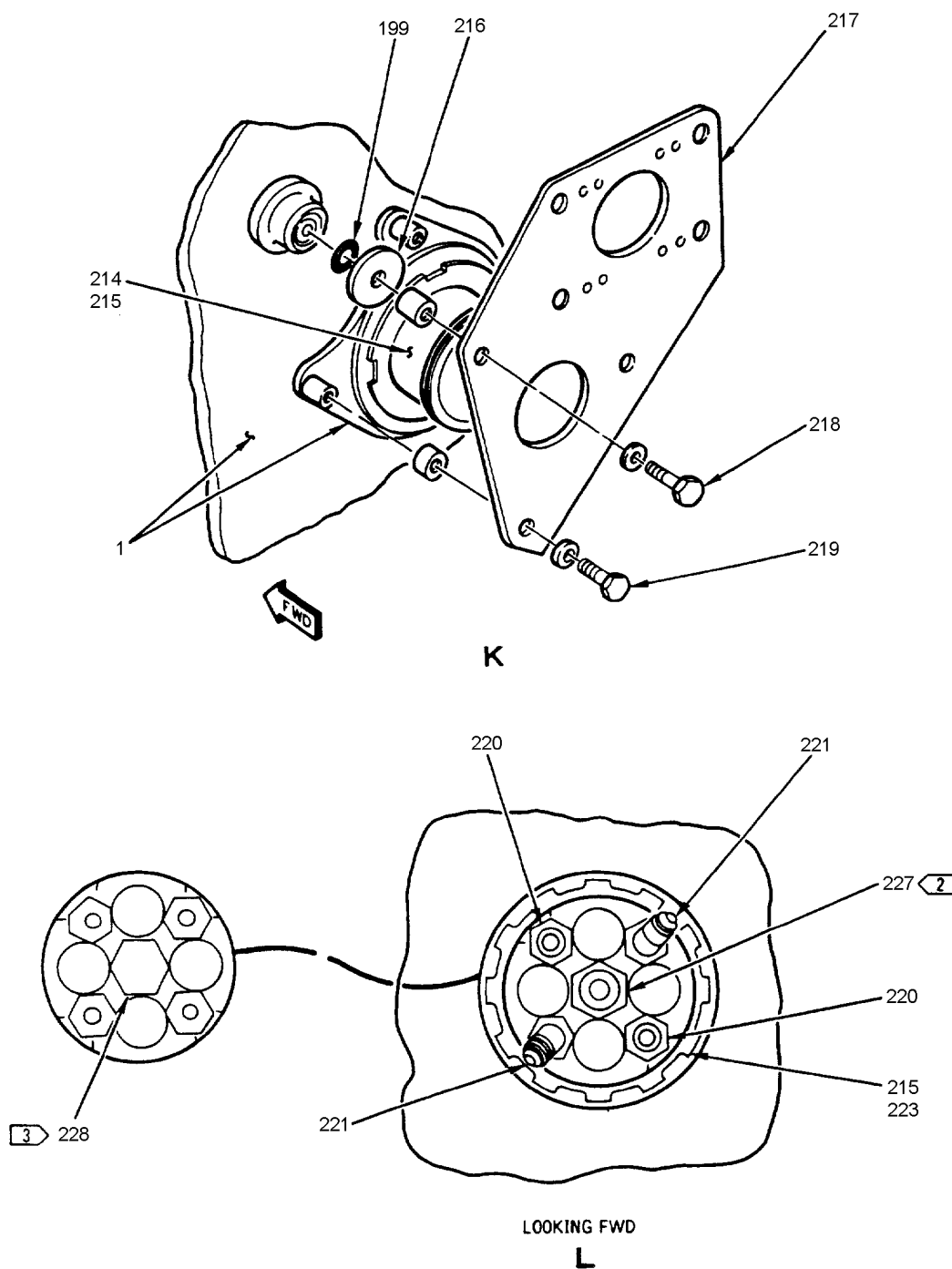


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 18)

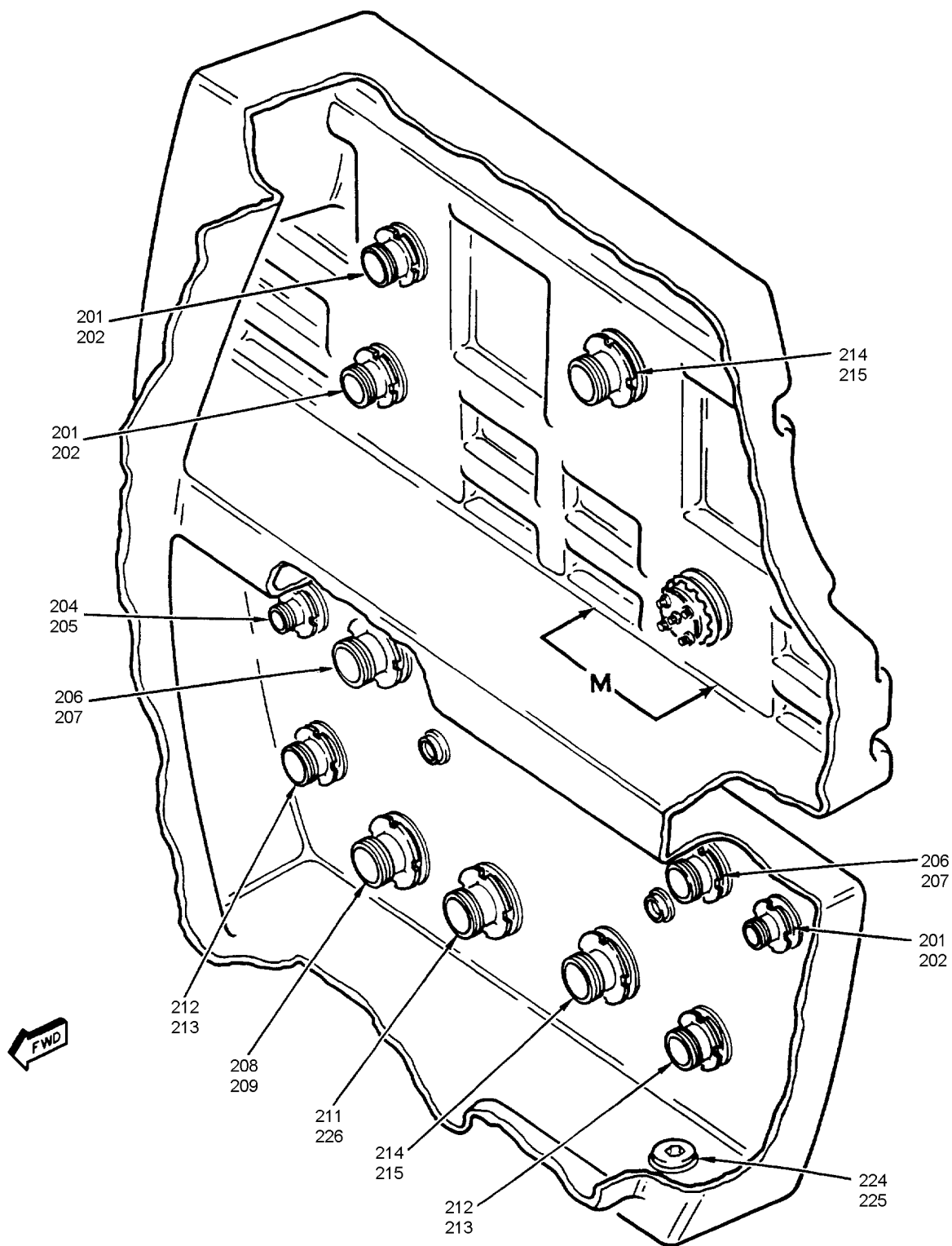


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 19)

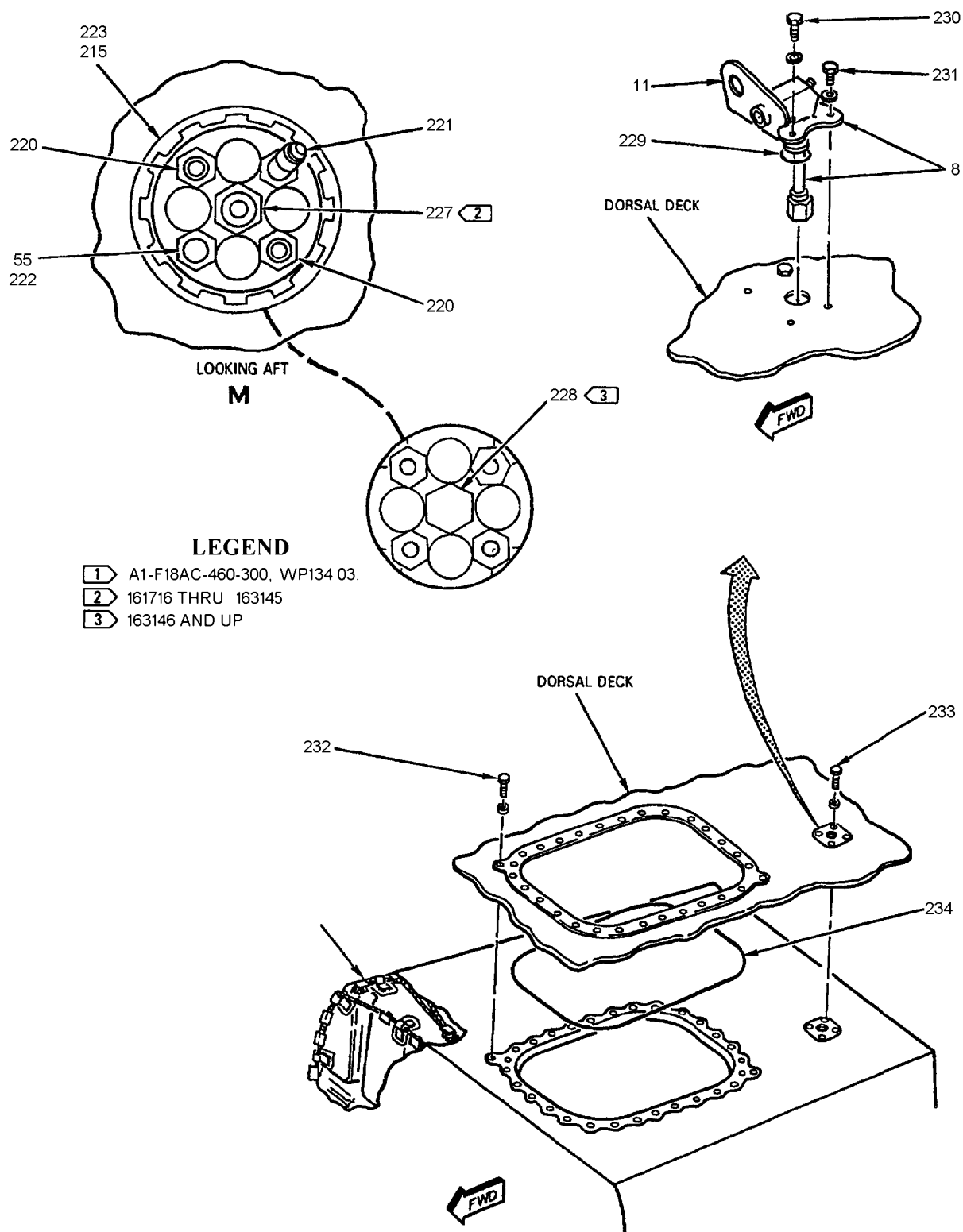


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 20)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
		NO. 3 FUEL TANK (5CAP510) (PARTS KIT AVAILABLE)			
1	62003-5 ϕ	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 3 (NO. 3 FUEL TANK) (05476) (MCDONNELL SPEC 74-580162-217) (5CAP510)	1	*	PAODD
	FCR-63258 ϕ	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 3 (NO. 3 FUEL TANK) (00333) (MCDONNELL SPEC 74-580162-217) (5CAP510)	1	*	PAODD
2	MS27467T11B35S	. CONNECTOR, PLUG (5P-P136)	1		PAOZZ
3	74A586694-2003	. ADAPTER (76301)	1		XBOZZ
4	KJL7YC103451-3	. CONNECTOR, RECEPTACLE, ELECTRICAL (71468) (MCDONNELL SPEC 5M1701-11D35PN) (INCLUDES NUT) (5J-P136)	1	*	PAOZZ
	92344-01	. SEE ABOVE (14283)	1	*	PAOZZ
5	MS29513-222	. PACKING	9		PAOZZ
6	W901K24DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	2		PAOZZ
	14J12-24A	. COUPLING, CLAMP, GROOVED (24984). (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F24DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	2	*	PAOZZ
7	74A586694-1001	. ADAPTER - JUNCTION BOX, ELECTRICAL, FUEL SYS (76301)	1		XBOZZ
8	74A586255-1009	. ELBOW, TUBE - 0.50 IN. LINE, VENT FUEL. SYSTEM (76301) (SUPERSEDES 74A586255-1001 AND 74A586255-1005)	1		XBOZZ
9	7M637BD-6D	. NIPPLE (76301)	2		PAOZZ
10	74A586688-1003	. TUBE ASSEMBLY, METAL - GRAVITY FEED. CONDUIT LINE, TANK 3 (76301)	1		MGOZZ
11	74A586244-2093	. BRACKET (76301)	1		XBOZZ
12	W901K16DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	5		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984). (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	5		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	5	*	PAOZZ
13	MS29513-214	. PACKING	10		PAOZZ
14	74A586336-1011	. TUBE ASSEMBLY, METAL - WING REFUEL, TANK 3 BYPASS (76301) (SUPERSEDES 74A586336-1009)	1		XBOZZ
15	W901K40DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984). (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	4	*	PAOZZ
16	MS29513-230	. PACKING	8		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 21)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
17	74A586314-1005	. TUBE ASSEMBLY, METAL - VENT, AFT, INVERTED FLT COMPT, TK 3 (76301)	1		XBOZZ
18	74A586381-1001	. TUBE ASSY - CLIMB VENT, FUEL TANK. NO. 3 (76301)	1		XBOOO
	NS103597-02	. NUT, SELF-LOCKING, PLATE (80539). (MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 18)	2	*	PAOZZ
	F10965-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 18)	2	*	PAOZZ
	F29339-01-3	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 18)	2	*	PAOZZ
	MS20426AD3 #	. RIVET (AP) (USE WITH INDEX 18)	2		-
19	74A586321-1011	. VENT ASSEMBLY FUEL TANK NO. 3 (NO. 3 FUEL TANK DIVE VENT CHECK VALVE) (76301) (5VAP582)	1		PAOZZ
	74A585003-2001	. VENT ASSEMBLY FUEL TANK NO. 3 (NO. 3 FUEL TANK DIVE VENT CHECK VALVE) (76301) (5VAP582)	1	*	PAOZZ
	NAS1802-06-7	. SCREW (USE WITH INDEX 19).	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 19)	2		PAOZZ
	NAS1291C06M	. NUT (USE WITH INDEX 19)	2		PAOZZ
20	74A586297-2001	. GUIDE, PROBE - FUEL QTY, TANK 2 & 3 (76301) . .	1		XBOZZ
21	74A586556-2001	. GASKET, PROBE GUIDE - RAISED INVERTED BAFFLE TK. 2 & TK. 3 (76301)	1	E	MDOZZ
22	NAS673V4	. BOLT	3	D	PAOZZ
	4M36-01016	. WASHER, FLAT (76301) (2 UNDER HEAD) (USE WITH INDEX 22)	6	D	PAOZZ
	NAS43DD3-8	. SPACER (USE WITH INDEX 22)	3	D	PAOZZ
23	NAS673V7	. BOLT	1	E	PAOZZ
	4M36-01016	. WASHER, FLAT (76301) (USE WITH INDEX 23). . . .	2		PAOZZ
	NAS43DD3-11	. SPACER (USE WITH INDEX 23)	1		PAOZZ
24	NAS673V5	. BOLT	1	E	PAOZZ
	4M36-01016	. WASHER, FLAT (76301) (USE WITH INDEX 24). . . .	2		PAOZZ
	NAS43DD3-11	. SPACER (USE WITH INDEX 24)	1		PAOZZ
25	NAS673V6	. BOLT	1	E	PAOZZ
	4M36-01016	. WASHER, FLAT (76301) (USE WITH INDEX 25). . . .	2		PAOZZ
	NAS43DD3-11	. SPACER (USE WITH INDEX 25)	1		PAOZZ
26	M25988/1-312	. PACKING	3		PAOZZ
27	74A586244-2005	. WASHER (RETAINER) (76301)	1		PAOZZ
28	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16).	1		PAOZZ
	NAS673V18	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS43DD3-53	. SPACER (AP)	1		PAOZZ
29	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16).	2		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
30	MS25281-R6	. CLAMP (SUPERSEDES MS25281-6).	1		PAOZZ
31	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16).	1		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT AND NUT).	2		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
32	74A586313-1005	. TUBE ASSEMBLY, METAL - VENT, FWD. INVERTED FLT COMPT TK 3 (76301)	1	D	MGOZZ
33	7M637BT-6D	. NIPPLE (76301)	1	D	PAOZZ
	AN960JD916L	. WASHER (USE WITH INDEX 33)	2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 22)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	AN924-6D	. NUT (USE WITH INDEX 33)	2		PAOZZ
34	74A586669-1017	. TUBE ASSEMBLY, METAL - PRESS SENR TO DEFUEL LINE, TK 3 (76301)	1		MGOZZ
35	74A586341-1015	. TUBE ASSEMBLY, METAL - PILOT VALVE RH. PORT TO REFUEL V (76301) (SUPER SEDES 74A586341-1007 AND 74A586341-1011)	1		MGOZZ
36	74A586383-1007	. TUBE ASSEMBLY, METAL - FUEL LEVEL. SENSOR, TK NO. 3 (76301) (SUPERSEDES 74A586383-1005)	1		AGOGG
37	2760009-105	. SENSOR, FUEL LEVEL JET OPERATED (NO. 3 FUEL TANK FUEL LEVEL SENSOR) (92003) (MCDONNELL SPEC 74-580123-105) (5VAP590)	1	N	PAOZZ
	2760009-103	. SEE ABOVE (MCDONNELL SPEC 74-580123-103)	1	P	PAOZZ
	NAS673V32	. BOLT (AP)	2		PAOZZ
	AN960JD10	. WASHER (AP)	2		PAOZZ
	NAS43DD3-76	. SPACER (AP)	2		PAOZZ
38	74A585762-2001 †	. SHIELD, FLOAT VALVE - TK NO. 3, Y419.000 (76301)	1		PAOZZ
39	2800095-101	. VALVE, PILOT, FUEL LEVEL (NO. 3 FUEL. TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-221) (5VAP583)	1		PAOZZ
	2800018-101	. VALVE, PILOT, FUEL LEVEL (NO. 3 FUEL. TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-211) (5VAP583)	1	*	PAOZZ
	NAS674V9	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS43DD4-20	. SPACER (AP)	4		PAOZZ
40	74A586362-1013	. TUBE ASSEMBLY, METAL - TANK 3 PRE. CHECK, Y422 UN - FLT VALVE (76301) (SUPERSEDES 74A586362-1009)	1		MGOZZ
41	74A586339-1009	. TUBE ASSEMBLY, METAL - PRECHECK, TANK 4 Y422 UN - Y450 UN (76301) (SUPERSEDES 74A586339-1007)	1		MGOZZ
42	74A586360-1009	. TUBE ASSEMBLY, METAL - PRECHECK, RH WING, Y422, UN - Y450 (76301) (SUPER SEDES 74A586360-1007)	1		MGOZZ
43	74A586361-1009	. TUBE ASSEMBLY, METAL - LH WING, Y422, UN - Y450 UN (76301) (SUPERSEDES 74A586361-1007)	1		MGOZZ
44	MS25281-R4	. CLAMP (SUPERSEDES MS25281-4).	3		PAOZZ
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT AND UNDER NUT)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
45	MS25281-R6	. CLAMP (SUPERSEDES MS25281-6).	3		PAOZZ
46	74A586685-1009	. TUBE ASSEMBLY, METAL - SYSTEMS CHECK LINE, TANK NO. 3 (76301) (SUPERSEDES 74A586685-1007)	1	T	MGOZZ
47	74A586354-1001	. TUBE ASSEMBLY, METAL - JET LEVEL. SENSOR, FUEL TK NO. 3 (76301)	1		XBOZZ
48	7M148V6	. ELBOW (76301)	1		PAOZZ
49	MS25281-R6	. CLAMP (SUPERSEDES MS25281-6).	2		PAOZZ
	NAS673V16	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
50	NAS43DD3-36	.	SPACER (AP)						1		PAOZZ
	MS25281-R6	.	CLAMP (SUPERSEDES MS25281-6).						2		PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ
51	NAS1291C3M	.	NUT (AP)						1		PAOZZ
	7M131-6V	.	CONNECTOR, MULTIPLE (76301)						1		PAOZZ
	7M130-6D	.	BOLT, MULTIPLE (AP) (76301)						1		PAOZZ
	MS29512-06	.	PACKING						1		PAOZZ
52	MS29513-110	.	PACKING						1		PAOZZ
54	7M637BY-4D	.	ELBOW (76301)						1		PAOZZ
	AN6289D4	.	NUT (USE WITH INDEX 54)						1		PAOZZ
	MS29512-04	.	PACKING (USE WITH INDEX 54).						1		PAOZZ
	MS28773-04	.	RETAINER (USE WITH INDEX 54).						1		PAOZZ
55	AN814-6D	.	PLUG						1		PAOZZ
56	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4).						2		PAOZZ
	NAS673V38	.	BOLT (AP)						1		PAOZZ
	AN960JD10	.	WASHER (AP)						1		PAOZZ
	NAS43DD3-121	.	SPACER (AP)						1		PAOZZ
57	MS25281-R6	.	CLAMP (SUPERSEDES MS25281-6).						1	T	PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10	.	WASHER (AP)						1		PAOZZ
	74A586387-1081	.	BRACKET ASSY (76301) (FOR REPAIR SEE.						1		XBOOO
			WP 024 05)								
	NAS673V5	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT)						2		PAOZZ
	F50339-3-1	.	NUT, PLATE (15653) (MCDONNELL SPEC						3		PAOZZ
			ST3M719C3M1) (USE WITH INDEX 58)								
	F12090-1-3	.	NUT, PLATE (72962) (MCDONNELL SPEC						3		PAOZZ
			ST3M719C3M1) (USE WITH INDEX 58)								
59	NAS1079AD3 #	.	RIVET (AP)						2		-
	AN960JD10	.	WASHER (UNDER BRACKET)						1		PAOZZ
	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4).						1		PAOZZ
	NAS673V20	.	BOLT (AP)						1		PAOZZ
60	AN960JD10	.	WASHER (AP)						1		PAOZZ
	NAS43DD3-64	.	SPACER (AP)						1		PAOZZ
	W901K20DE	.	COUPLING, CLAMP, GROOVED (79326).						2		PAOZZ
			(MCDONNELL SPEC 7M765-20D)								
			(INCLUDES SLEEVE)								
	14J12-20A	.	COUPLING, CLAMP, GROOVED (24984).						2		PAOZZ
			(MCDONNELL SPEC 7M765-20D)								
			(INCLUDES SLEEVE)								
	W901F20DE	.	COUPLING, CLAMP, GROOVED (79326).						2	*	PAOZZ
			(MCDONNELL SPEC 7M550-20D)								
			(INCLUDES SLEEVE)								
62	MS29513-218	.	PACKING						4		PAOZZ
63	74A586316-1009	.	TUBE ASSEMBLY, METAL - MF PRESS TO						1		XBOZZ
			TANK 1, TANK 3 BYPASS (76301)								
			(SUPERSEDES 74A586316-1005)								
			AND 74A586316-1007)								
64	7M637BD-6D	.	NIPPLE (76301)						1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 64).						1		PAOZZ
65	74A586315-2011	.	CENTER PANEL ASSY (76301) (FOR REPAIR.						1	D	XBOOO
			SEE WP024 05)								
	74A586315-2015	.	CENTER PANEL ASSY (76301) (FOR REPAIR.						1	E	XBOOO
			SEE WP024 05)								
	NAS673V4	.	BOLT (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
66	74A586248-2007	.	CONNECTOR, FLANGE (FITTING) (76301).						1		XBOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 24)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	NAS1802-06-9	.	SCREW (AP)	.....					4		PAOZZ
	AN960JD6L	.	WASHER (AP)	.....					8		PAOZZ
	NAS1291C06M	.	NUT (AP)	.....					4		PAOZZ
67	55-6004	.	DISK ASSEMBLY, VALVE, CHECK, FUEL	.....					1	*	PAOZZ
			SYSTEM, GRAVITY FEED (NO. 3 FUEL								
			TANK INVERTED FLIGHT VENT CHECK								
			VALVE) (96736) (MCDONNELL SPEC								
			74J588006-109) (5VAR678)								
	20C112-109	.	SEE ABOVE (82829)	.....					1	*	PAOZZ
68	74A586248-2013	.	RESTRICTOR (76301)	.....					1		XBOZZ
69	74A586309-2101	.	DEFLECTOR (76301)	.....					1		XBOZZ
	NAS674V18	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416	.	WASHER (AP)	.....					4		PAOZZ
	NAS43DD4-76	.	SPACER (AP)	.....					4		PAOZZ
70	W901R32DE	.	COUPLING, CLAMP, GROOVED (79326)	.....					4	*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								
	14J12-32A	.	COUPLING, CLAMP, GROOVED (24984)	.....					4	*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								
71	MS29513-226	.	PACKING	.....					17		PAOZZ
72	74A586248-2003 ϕ	.	CONNECTOR, FLANGE (76301)	.....					2		XBOZZ
73	NAS673V5	.	BOLT (LEFT SIDE, RIGHT SIDE)	.....					2		PAOZZ
74	NAS673V6	.	BOLT (LEFT SIDE, RIGHT SIDE)	.....					2		PAOZZ
	4M36-01016	.	WASHER, FLAT (AP) 76301	.....					4		PAOZZ
	NAS43DD3-8	.	SPACER (AP)	.....					4		PAOZZ
75	74A586337-1005	.	TUBE ASSEMBLY, METAL - VENT TANK	.....					1		XBOZZ
			SCAV LINE THRU TANK 3 (76301)								
76	74A586338-1001	.	TUBE ASSEMBLY, METAL - XFR & DEFUEL	.....					2		XBOZZ
			LINES, FTK NO. 2 & 3 (76301)								
77	74A586272-2011	.	TEE ASSEMBLY, TRANSFER VALVE - TANK	.....					1		XBOZZ
			NO. 2 (76301) (SUPERSEDES 74A586272-								
			1001 AND 74A586272-1003)								
	NAS673V4	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT)	.....					4		PAOZZ
	4M36-01016	.	WASHER, FLAT (AP) (76301) (UNDER BOLT)	.....					4		PAOZZ
	NAS43DD3-8	.	SPACER (AP) (UNDER BOLT)	.....					4		PAOZZ
78	2760008-117	.	VALVE, SHUTOFF - FUEL TRANSFER (TANK	.....					1		PAOZZ
			3) (NO. 3 FUEL TANK TRANSFER SHUT								
			OFF VALVE) (92003) (MCDONNELL SPEC								
			74-580163-117) (5VAP605)								
	2760008-115	.	SEE ABOVE (MCDONNELL SPEC	.....					1	*	PAOZZ
			74-580163-115)								
	2760008-111	.	SEE ABOVE (MCDONNELL SPEC	.....					1	*	PAOZZ
			74-580163-111)								
	NAS674V5	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 78)	.....					1		PAOZZ
79	MS29513-229	.	PACKING	.....					1		PAOZZ
80	NAS1787A32G	.	CLAMP	.....					2		PAOZZ
	NAS673V9	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
81	W901K32DE	.	COUPLING, CLAMP, GROOVED (79326)	.....					4		PAOZZ
			(MCDONNELL SPEC 7M76S-32D)								
			(INCLUDES SLEEVE)								
	14J12-32A	.	COUPLING, CLAMP, GROOVED (24984)	.....					4		PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 25)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	W901F32DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
82	74A586338-1005	. TUBE ASSEMBLY, METAL - XFR & DEFUEL. LINES, FTK NO. 2 & 3	1		XBOZZ
83	74A586315-2013	. FRONT PANEL ASSY (76301) (FOR REPAIR. SEE WP024 05)	1	R	XBOOO
	74A586315-2023 ††	. SEE ABOVE.	1	Q	XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
84	74A586317-1005	. MANIFOLD, FUEL, AIRCRAFT - FUEL TANK. NO. 3 (76301) (SUPERSEDES 74A586317-1001)	1		XBOZZ
	NAS673V4	. BOLT (AP)	4		PAOZZ
	AN960JD10L	. WASHER (AP)	4		PAOZZ
85	74A586216-1005	. TUBE ASSEMBLY, METAL - REFUEL, TANK. NO. 2 (76301)	1		XBOZZ
86	74A586309-2015	. DEFLECTOR (76301)	1		XBOZZ
	NAS674V16	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS43DD4-61	. SPACER (AP)	4		PAOZZ
87	74A581029-2001	. RESTRICTOR, FLUID FLOW PRESSURE FUELING LINE (76301)	1		MGOZZ
88	2760113-113	. VALVE, CHECK - REFUEL LEVEL (NO. 3. FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-223) (5VAP610)	1		PAOZZ
	2760113-111	. VALVE, CHECK - REFUEL LEVEL (NO. 3. FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-217) (5VAP610)	1	*	PAOZZ
	2760113-109	. SEE ABOVE (MCDONNELL SPEC 74-580108-215)	1	*	PAOZZ
	MS29513-224	. PACKING (USE WITH INDEX 76).	1		PAOZZ
89	W904K32DE	. COUPLING, CLAMP, GROOVED (HALF) (79326). . . (MCDONNELL SPEC 7M765-32D-1)	1		PAOZZ
	14C12-32A	. COUPLING, CLAMP, GROOVED (HALF) (24984). . . (MCDONNELL SPEC 7M765-32D-1)	1		PAOZZ
	W904F32DE	. COUPLING, CLAMP, GROOVED (HALF) (79326). . . (MCDONNELL SPEC 7M550-32D-1)(HALF) (79326) (MCDONNELL SPEC 7M550-32D-1)	1	*	PAOZZ
90	74A586248-2001	. CONNECTOR, FLANGE (FITTING) (76301)	1		XBOZZ
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
91	NAS674V5	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (AP)	1		PAOZZ
92	NAS674V6	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
93	MS25281-R20	. CLAMP (SUPERSEDES MS25281-20).	1		PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
94	74A586323-1035	. BRACKET ASSY (76301)	1		XBOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 94).	1		PAOZZ
	NAS1079AD3 #	. RIVET (AP)	2		-
95	7M148V6	. ELBOW (76301)	1		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 95).	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 95).	1		PAOZZ
96	7M637BT-6D	. NIPPLE (76301)	1	A	PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 26)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	7M637BY-6D	.	ELBOW (76301)	.....					1	F	PAOZZ
	AN960JD916L	.	WASHER (AP)	.....					1		PAOZZ
	AN924-6D	.	NUT (AP)	.....					1		PAOZZ
97	74A586502-1001	.	TUBE ASSEMBLY, METAL - PRESS SNSR.,	.....					1	A	MGOZZ
			DEFUEL VALVE, TK NO. 3 (76301)								
	74A586502-1005	.	TUBE ASSEMBLY, METAL - PRESS SNSR.,	.....					1	B	MGOZZ
			DEFUEL VALVE, TR NO. 3 (76301)								
			(SUPERSEDES 74A586502-1003)								
	74A587124-1009	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW.	.....					1	E	MGOZZ
			TO DEFUEL VALVE, TK 3 (76301)								
			(SUPERSEDES 74A587124-1001								
			74A587124-1003 AND 74A587124-1007)								
98	7M148V6	.	ELBOW (76301)	.....					1		PAOZZ
99	7M637BD-6D	.	NIPPLE (76301)	.....					1		PAOZZ
100	MS29512-06	.	PACKING	.....					1		PAOZZ
101	741100-103A	.	VALVE, FLOAT, AIRCRAFT - FUEL TANK.,	.....					1		PAOZZ
			DEFUELING (DEFUEL VALVE) (96124)								
			((MCDONNELL SPEC 74-580111-103)								
			(5VAP521)								
	741100-103	.	SEE ABOVE (REPLACED BY 741100-103A)	.....					1	*	PAOZZ
			(USE UNTIL EXHAUSTED)								
	741100-101	.	SEE ABOVE (MCDONNELL SPEC 74-580111-	.....					1	*	PAOZZ
			101) (REPLACED BY 741100-103A) (USE								
			UNTIL EXHAUSTED)								
	NAS674V2	.	BOLT (AP)	.....					4	H	PAOZZ
	NAS674V5	.	BOLT (AP)	.....					4	L	PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
102	74A586248-9001 +	.	CONNECTOR, FLANGE (STIFFENER) (76301).	.....					4	G	-
103	74A586327-1017	.	TUBE ASSEMBLY, METAL - DEFUEL, TANK						1	D	XBOOO
			NO. 3 (76301)								
	74A586327-1013 +	.	SEE ABOVE	.....					1	D*	XBOOO
	74A586327-1015 +	.	TUBE ASSEMBLY, METAL - DEFUEL, TANK.	.....					1	S	XBOOO
			NO. 3 (76301)								
	74A586327-1019	.	SEE ABOVE	.....					1	V	XBOOO
	74A586327-1023	.	SEE ABOVE	.....					1	R	XBOOO
	74A586327-1025 ††	.	SEE ABOVE	.....					1	Q	XBOOO
104	NAS673V4	.	BOLT (AP)	.....					4	C	PAOZZ
105	74A586309-3121 +	.	WASHER, FLAT (76301)	.....					4	C	PAOZZ
106	F50339-3-4	.	NUT, PLATE (15653) (MCDONNELL SPEC	.....					4	C*	PAOZZ
			ST3M719C3M4)								
	F12090-4-3	.	SEE ABOVE (72962)	.....					4	C*	PAOZZ
	NAS1097AD3 #	.	RIVET (AP)	.....					2		-
107	NAS673V4	.	BOLT	.....					8	W	PAOZZ
	AN960JD10	.	WASHER (USE WITH INDEX 107)	.....					8		PAOZZ
108	F50339-3-2	.	NUT, PLATE (15653) (MCDONNELL SPEC	.....					8	Q*	PAOZZ
			ST3M719C3M2)								
	F12090-2-3	.	SEE ABOVE (72962)	.....					8	Q*	PAOZZ
	NAS1097AD3 #	.	RIVET (AP)	.....					2		-
109	74A586323-1007	.	STIFFENER (76301) (FOR REPAIR SEE	.....					1	D	XBOOO
			WP024 05)								
	74A586315-2017	.	CHANNEL ASSY (76301) (FOR REPAIR SEE	.....					1	E	XBOOO
			WP024 05)								
	NAS673V4	.	BOLT (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
110	74A586314-1007	.	TUBE ASSEMBLY, METAL - VENT, AFT.	.....					1		XBOZZ
			INVERTED FLT COMPT, TK 3 (76301)								
111	MS25281-R16	.	CLAMP (SUPERSEDES MS25281-16).	.....					1		PAOZZ
	NAS673V4	.	BOLT (AP)	.....					1		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
112	AN960JD10L	.	WASHER (AP)						1		PAOZZ
	74A586315-2009	.	UPPER ASSY (76301) (FOR REPAIR SEE						1		XBOOO
113	NAS674V4	.	BOLT (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
	74A586387-1121	.	BRACKET ASSY (76301) (FOR REPAIR SEE						1		XBOOO
			WP024 05) (SUPERSEDES 74A586387-1069)								
114	NAS673V5	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	74A586387-1111	.	BRACKET ASSY (76301) (FOR REPAIR SEE						1		XBOOO
			WP024 05)								
115	NAS673V5	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	74A586208-1003	.	BRACKET, BAFFLE - FUEL TANK INVERTED.						2		XBOOO
			FLIGHT (76301) (R. SIDE FWD, L. SIDE AFT) (FOR REPAIR SEE WP024 05)								
116	NAS673V4	.	BOLT (AP) (THRU BEAM).						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	NAS673V5	.	BOLT (THRU LEFT AND RIGHT WEB AND						4		PAOZZ
			BAFFLE BRACKETS)								
117	AN960JD10L	.	WASHER (USE WITH INDEX 116)						4		PAOZZ
	74A586387-1105	.	CHANNEL ASSY, CENTER (76301) (FOR						1	D	XBOOO
			REPAIR SEE WP024 05)								
	74A586387-1109	.	SEE ABOVE.						1	E	XBOOO
118	74A586323-2061	.	RETAINER (76301)						1		XBOZZ
	NAS1351C3-10	.	SCREW (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
	74A586208-1004	.	BRACKET, BAFFLE - FUEL TANK INVERTED.						2		XBOOO
119			FLIGHT (76301) (L. SIDE FWD, R. SIDE AFT) (FOR REPAIR SEE WP024 05)								
	NAS673V4	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	74A586315-2007	.	WEB ASSY, RH (76301) (FOR REPAIR SEE						1		XBOOO
120			WP024 05)								
	NAS673V4	.	BOLT (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
	74A586323-2039	.	RETAINER (76301)						1		XBOZZ
121	NAS1351C3-10	.	SCREW (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
	74A586315-2005	.	WEB ASSY, LH (76301) (FOR REPAIR SEE						1		XBOOO
			WP024 05)								
122	NAS673V4	.	BOLT (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
	74A586323-2059	.	RETAINER (76301)						1		XBOZZ
	NAS1351C3-10	.	SCREW (AP)						AR		PAOZZ
123	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
	74A586315-2001	.	FWD CHANNEL ASSY (76301) (FOR REPAIR.						1		XBOOO
			SEE WP024 05)								
	AN960JD416	.	WASHER (AP) (TO STUD THRU BLADDER).						4		PAOZZ
124	NAS1291C4M	.	NUT (AP) (TO STUD THRU BLADDER).						4		PAOZZ
	AN814-6D	.	PLUG						1		PAOZZ
	AN960JD916L	.	WASHER (USE WITH INDEX 125)						1		PAOZZ
	AN924-6D	.	NUT (USE WITH INDEX 125)						1		PAOZZ
125	7M637BT-6D	.	NIPPLE (76301)						2		PAOZZ
	AN960JD916L	.	WASHER (USE WITH INDEX 126)						1		PAOZZ
	AN924-6D	.	NUT (USE WITH INDEX 126)						1		PAOZZ
	74A586323-2037	.	RETAINER (76301)						1		XBOZZ
126	NAS1351C3-10	.	SCREW (AP)						AR		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 28)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
128	NAS1291C4M	.	NUT						8		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 128)						8		PAOZZ
129	74A586387-1023	.	MOUNT ASSY (76301) (FOR REPAIR SEE						1		XBOOO
			WP024 05)								
	NAS673V4	.	BOLT (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
130	74A586323-1015	.	CHANNEL ASSY (76301) (FOR REPAIR SEE						1		XBOOO
			WP024 05)								
	NAS675V3	.	BOLT (AP) (THRU BLADDER)						2		PAOZZ
	AN960JD516	.	WASHER (AP) (THRU BLADDER)						2		PAOZZ
131	74A586323-2045 @	.	SHIM (76301)						1		XBOZZ
132	74A585002-2005	.	FEED ASSEMBLY, FUEL (NO. 3 FUEL TANK						1		PAOZZ
			GRAVITY FEED CHECK VALVE) (76301)								
			(5VAP608) (INCLUDES RESTRICTOR,								
			5RAP666)								
	NAS1802-06-7	.	SCREW (USE WITH INDEX 132)						2		PAOZZ
	AN960JD6L	.	WASHER (USE WITH INDEX 132)						2		PAOZZ
	NAS1291C06M	.	NUT (USE WITH INDEX 132)						2		PAOZZ
133	W702-40D	.	NUT ASSEMBLY, TUBE COUPLING (79326)						1	*	PAOZZ
			(MCDONNELL SPEC ST7M191-40D)								
			(INCLUDES NUT AND 2 WASHERS)								
	12H72-40A	.	SEE ABOVE (24984)						1	*	PAOZZ
134	MS29513-334	.	PACKING						1		PAOZZ
135	W901K24DE	.	COUPLING, CLAMP, GROOVED (79326)						2	*	PAOZZ
			(MCDONNELL SPEC 7M765-24D)								
			(INCLUDES SLEEVE)								
	14J12-24A	.	COUPLING, CLAMP, GROOVED (24984)						2	*	PAOZZ
			MCDONNELL SPEC 7M765-24D)								
			(INCLUDES SLEEVE)								
136	74A587120-1003	.	TUBE ASSEMBLY, METAL - FUEL SUPPLY,						1	E	XBOZZ
			LH ENGINE, TANK 3 (76301)								
137	74A586334-1003	.	TUBE ASSEMBLY, METAL - PUMP MOTIVE						1		XBOZZ
			FLOW, LH ENG, TANK 3 (76301)								
138	W901K40DE	.	COUPLING, CLAMP, GROOVED (79326)						1	E	PAOZZ
			(MCDONNELL SPEC 7M765-40D)								
			(INCLUDES SLEEVE)								
	14J12-40A	.	COUPLING, CLAMP, GROOVED (24984)						1	E	PAOZZ
			(MCDONNELL SPEC 7M765-40D)								
			(INCLUDES SLEEVE)								
	W901F40DE	.	COUPLING, CLAMP, GROOVED (79326)						1	E*	PAOZZ
			(MCDONNELL SPEC 7M550-40D)								
			(INCLUDES SLEEVE)								
139	MS29513-230	.	PACKING						2	E	PAOZZ
140	74A586333-1003	.	TUBE ASSEMBLY, METAL - FUEL SUPPLY,						1	D	XBOZZ
			LH ENG, TANK NO. 3 (76301)								
141	W901K40DE	.	COUPLING, CLAMP, GROOVED (79326)						1	D	PAOZZ
			(MCDONNELL SPEC 7M765-40D)								
			(INCLUDES SLEEVE)								
	14J12-40A	.	COUPLING, CLAMP, GROOVED (24984)						1	D	PAOZZ
			(MCDONNELL SPEC 7M765-40D)								
			(INCLUDES SLEEVE)								
	W901F40DE	.	COUPLING, CLAMP, GROOVED (79326)						1	D*	PAOZZ
			(MCDONNELL SPEC 7M550-40D)								
			(INCLUDES SLEEVE)								
142	MS29513-230	.	PACKING						2	D	PAOZZ
143	2760100-103	.	TUBE ASSEMBLY (92003) (MCDONNELL						1	D	PBOZZ
			SPEC 74-580112-203)								

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 29)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
144	W702-32D	. NUT ASSEMBLY, TUBE COUPLING (79326). (MCDONNELL SPEC ST7M191-32D) (INCLUDES NUT AND 2 WASHERS)	2	D*	PAOZZ
	12H72-32A	. SEE ABOVE (24984).	2	D*	PAOZZ
145	MS29513-330	. PACKING	2	D	PAOZZ
146	55-7600-5	. VALVE, INTERCONNECT, FUEL PRESSURE OPERATED (NO. 3 FUEL TANK PRESSURE OPERATED INTERCONNECT VALVE) (96736) (MCDONNELL SPEC 74-580110- 119) (5S-R131)	1		PAOZZ
	74B580188-1001	. SEE ABOVE (76301)	1	*	PAOZZ
	41400-111	. SEE ABOVE (04192) (MCDONNELL SPEC 74-580110-111)	1	*	PAOZZ
	41400-109	. SEE ABOVE (04192) (MCDONNELL SPEC 74-580110-109)	1	*	PAOZZ
147	7M148V6 ÷	. ELBOW (76301)	1		PAOZZ
148	74A586687-1007	. TUBE ASSEMBLY, METAL - GRAVITY FEED SIGNAL, TANK NO. 3 (76301) (SUPERSEDES 74A586687-1003 & 74A586687-1005)	1		MGOZZ
149	7M637BY-4D	. ELBOW (76301)	1	E	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 149).	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 149).	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 149)	1		PAOZZ
150	74A586368-1005	. TUBE ASSEMBLY, METAL - FILTER TEE TO. Y428 INTERCONNECT VALVE (76301)	1	D	MGOZZ
	74A587109-1009	. TUBE ASSEMBLY, METAL - MOTIVE FLOW. TO INTERCONNECT VALVE (76301) (SUPERSEDES 74A587109-1003 74A587109-1005 AND 74A587109-1007)	1	E	MGOZZ
151	74A586331-1003	. TUBE ASSEMBLY, METAL - ENG BOOST PMP,. RH, MOTIVE FLOW (NO. 3 FUEL TANK WASH FILTER) (76301) (5FAP633)	1		PAOZZ
152	NAS674V16	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
153	W904K24DE	. COUPLING, CLAMP, GROOVED (HALF) (79326). (MCDONNELL SPEC 7M765-24D-1)	1		PAOZZ
	14C12-24A	. COUPLING, CLAMP, GROOVED (HALF) (24984). (MCDONNELL SPEC 7M765-24D-1)	1		PAOZZ
	W904F24DE	. COUPLING, CLAMP, GROOVED (HALF) (79326). (MCDONNELL SPEC 7M550-24D-1)	1	*	PAOZZ
154	NAS674V15	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
155	W901K40DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1	E	PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984). (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1	E	PAOZZ
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	1	E*	PAOZZ
156	MS29513-230	. PACKING	2	E	PAOZZ
157	74A587119-1001	. TUBE ASSEMBLY, METAL - TURBO FUEL PUMP TO BKHD, TANK 3 (76301)	1	E	XBOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 30)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
158	5007006C	. PUMP, TURBINE DRIVEN (NO. 3 FUEL TANK. ENGINE FUEL TURBINE BOOST PUMP) (99176) (MCDONNELL SPEC 74-580168- 101) (5BAR680) (REPLACES 5007006B)	1	E	PAODD
	5007006B	. SEE ABOVE.....	1	E*	PAODD
159	2800099-104	. EJECTOR, JET ENGINE FUEL BOOST PUMP..... (NO. 3 FUEL TANK ENGINE FUEL BOOST JET EJECTOR) (92003) (MCDONNELL SPEC 74-580112-209) (5BAP591)	1	D	PAOZZ
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
160	MS29513-222	. PACKING	1	E	PAOZZ
161	74A586332-1005	. TUBE ASSEMBLY, METAL - BOOST PUMP,..... MOTIVE FLOW, TANK NO. 3 (76301)	1	D	XBOZZ
	74A587108-1005	. TUBE ASSEMBLY, METAL - TURBO BOOST..... PUMP, TK 3 (76301) (SUPERSEDES 74A587108-1001 & 74A587108-1003)	1	E	XBOZZ
	NAS674V4	. BOLT (AP)	2	E	PAOZZ
	4M36-02069	. WASHER, FLAT (AP) (76301).	2	E	PAOZZ
162	7M637BY-6D	. ELBOW (76301)	2	E	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 162).....	2		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 162).....	2		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 162)	2		PAOZZ
163	74A586372-1005	. TUBE ASSEMBLY, METAL - FILTER Y434.6. PORT TO Y422/Z103 UN (76301)	1	D	MGOZZ
	74A587110-1003	. TUBE ASSEMBLY, METAL - MOTIVE FLOW..... TO JET SENSOR, TK 3 (76301) (SUPERSEDES 74A587110-1001)	1	E	MGOZZ
164	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
165	74A586309-2029	. ANGLE (76301)	1		MGOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC..... ST3M523C3M) (USE WITH INDEX 165)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC..... ST3M523C3M) (USE WITH INDEX 165)	2	*	PAOZZ
166	AN735D40	. CLAMP	1	E	PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP) (ABOVE AND BELOW ELECTRICAL LEAD)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
167	MS25083-7BC6	. LEAD, ELECTRICAL (JUMPER).....	1	E	PAOZZ
168	NAS674V4	. BOLT	2	E	PAOZZ
	4M36-02069	. WASHER, FLAT (76301) (AP).....	2		PAOZZ
169	MS29513-230	. PACKING	1	E	PAOZZ
170	MS25281-R24	. CLAMP (SUPERSEDES MS25281-24).	1	E	PAOZZ
171	MS25281-R6	. CLAMP (SUPERSEDES MS25281-6).	1	E	PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
172	74A586750-1003	. CLAMP - FUEL LINE, MOTIVE FLOW TO. TURBO PUMP (76301)	1	E	XBOOO
173	74A586750-2007	. STRAP, RETAINING (76301)	1	E	PAOZZ
	NAS673V4	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
174	74A586750-2005	. STRAP, RETAINING (76301)	1	E	PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 31)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	MS21060L3	. NUT, PLATE (USE WITH INDEX 174).	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
175	74A586750-2011	. CUSHION (76301)	2	E	PAOZZ
176	74A586750-2009	. WASHER (SERRATED) (76301)	1	E	PAOZZ
177	NAS674V5	. BOLT	1	E	PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 177)	1		PAOZZ
178	74A587106-1001	. BRACKET ASSY - RH, TURBO BOOST PUMP, FUEL TANK NO. 3 (76301) (FOR REPAIR SEE WP134 03)	1	E	XBOOO
179	NAS674V4	. BOLT	2		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 179)	2		PAOZZ
180	74A587112-1001	. SUPPORT, FUEL FILTER - TURBO BOOST. PUMP, TANK 3 (76301)	1	E	XBOOO
	NAS674V2	. BOLT (AP)	1		PAOZZ
	AN960JD416L	. WASHER (AP)	1		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 180).	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
181	NAS664V4HT	. SCREW	1		PAOZZ
182	74A587107-1003	. BRACKET ASSEMBLY - LH, TURBO BOOST. PUMP, FUEL TANK NO. 3 (76301) (SUPERSEDES 74A587107-1001)	1	E	XBOOO
	MS21062L4	. NUT, PLATE (USE WITH INDEX 182).	3		PAOZZ
	MS20470AD3 #	. RIVET (AP)	2		-
183	NAS674V3	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (AP)	1		PAOZZ
184	M25988/1-312	. PACKING	7		PAOZZ
185	74A586244-2007	. WASHER (RETAINER) (76301)	7	D	PAOZZ
	74A586244-2007	. WASHER (RETAINER) (76301)	2	E	PAOZZ
186	NAS674V1	. BOLT	2	E	PAOZZ
	AN960JD416L	. WASHER (AP)	2	E	PAOZZ
187	7M637BY-6D	. ELBOW (76301)	1	D	PAOZZ
	AN924-6D	. NUT (USE WITH INDEX 187)	1	D	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 187)	1	D	PAOZZ
188	MS25281-R6	. CLAMP (MATES WITH BAFFLE CENTER CHANNEL) (SUPERSEDES MS25281-6)	1	D	PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
189	74A586662-2005	. SUPPORT, FUEL PUMP - MAIN EJECTOR, TANK NO. 3, LH (76301)	1	D	XBOZZ
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
190	MS29513-222	. PACKING	2	D	PAOZZ
191	W901K24DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	1	D	PAOZZ
	14J12-24A	. COUPLING, CLAMP, GROOVED (24984). (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	1	D	PAOZZ
	W901F24DE	. COUPLING, CLAMP, GROOVED (79326). (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	1	D*	PAOZZ
192	7M637BW-6D	. ELBOW (76301)	1	D	PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 192)	1		PAOZZ
	AN924-6D	. NUT (USE WITH INDEX 192)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 192)	1		PAOZZ
193	74A586663-1001	. SUPPORT, FUEL LINE - MOTIVE FLOW, TANK. NO. 3 (76301)	1	D	XBOOO
	NAS674V1	. BOLT (AP)	2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 32)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
	MS21062L3	.	NUT, PLATE (USE WITH INDEX 193).	.....					2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
194	NAS1787A24G	.	CLAMP	.....					1	D	PAOZZ
	NAS673V9	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
195	7N637BD-6D	.	NIPPLE (76301)	.....					1	D	PAOZZ
196	7M148V6	.	ELBOW (76301)	.....					1		PAOZZ
197	74A586661-1003	.	SUPPORT, FUEL PUMP - MAIN EJECTOR,	.....					1	D	XBOZZ
			TANK NO. 3 (76301)								
	NAS674V1	.	BOLT (AP)	.....					3		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					3		PAOZZ
198	74A586309-1007	.	BRACKET ASSY (76301)	.....					1		XBOOO
	NAS673V3	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
	MS21062L3	.	NUT, PLATE (USE WITH INDEX 198).	.....					3		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
199	M25988/1-312	.	PACKING	.....					5		PAOZZ
200	74A586244-2005	.	WASHER (RETAINER) (76301)	.....					4		PAOZZ
201	74A585735-2001	.	RETAINER, FUEL CELL FITTING - BHD, 1.00	.....					5		PAOZZ
			DIA, ASSY OF (76301) (REPLACES								
			74A585735-1001)								
	74A585735-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.....					5	J	PAOZZ
202	MS29513-325	.	PACKING	.....					5		PAOZZ
203	NAS673V2	.	BOLT	.....					2		PAOZZ
	AN960JD10	.	WASHER (USE WITH INDEX 203)	.....					2		PAOZZ
204	74A585734-2001	.	RETAINER, FUEL CELL FITTING BHD, 1.25	.....					2		PAOZZ
			DIA, ASSY OF (76301) (REPLACES								
			74A585734-1001)								
	74A585734-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.....					2	K	PAOZZ
205	MS29513-327	.	PACKING	.....					2		PAOZZ
206	74A585733-2001	.	RETAINER, FUEL CELL FITTING - BHD, 2.00	.....					4		PAOZZ
			DIA, ASSY OF (76301) (REPLACES								
			74A585733-1001)								
	74A585733-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.....					4	J	PAOZZ
207	MS29513-333	.	PACKING	.....					4		PAOZZ
208	74A585731-2001	.	RETAINER, FUEL CELL FITTING - BHD, 2.50	.....					2		PAOZZ
			DIA, ASSY OF (76301) (REPLACES								
			74A585731-1001)								
	74A585731-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.....					2	J	PAOZZ
209	MS29513-339	.	PACKING	.....					2		PAOZZ
210	74A585738-2001 §	.	RETAINER, FUEL CELL FITTING - BHD, ASSY. . . .						1	D	PAOZZ
			OF (76301)								
	74A585738-1001 §	.	SEE ABOVE	.....					1	D*	PAOZZ
	74A587116-2001	.	RETAINER, FUEL CELL FITTING - BHD,						1	E	PAOZZ
			TURBO PUMP, ASSY OF (76301)								
			(REPLACES 74A587116-1003)								
	74A587116-1003	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.....					1	M	PAOZZ
211	MS29513-335	.	PACKING	.....					2		PAOZZ
212	74A585739-2001	.	RETAINER, FUEL CELL FITTING - BHD, 1.50	.....					3		PAOZZ
			DIA, ASSY OF (76301) (REPLACES								
			74A585739-1001)								
	74A585739-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.....					3	J	PAOZZ
213	MS29513-329	.	PACKING	.....					3		PAOZZ
214	74A585730-2001	.	RETAINER ASSEMBLY - FUEL CELL FITTING, . . .						3		PAOZZ
			BHD, 2.50 DIA (76301) (REPLACES								
			74A585730-1001)								
	74A585730-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.....					3	J	PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 33)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
215	MS29513-337	.	PACKING	.	.	.	.	.	5		PAOZZ
216	74A586244-2007	.	WASHER (RETAINER) (76301)	.	.	.	.	.	1		PAOZZ
217	74A586309-1019	.	BRACKET ASSY (76301)	.	.	.	.	.	1		XBOOO
	MS21062L4	.	NUT, PLATE (USE WITH INDEX 217).	.	.	.	.	.	4		PAOZZ
	MS20470AD3 #	.	RIVET (AP)	.	.	.	.	.	2		-
	74A586309-2095	.	SUPPORT (76301) USE WITH INDEX 217).	.	.	.	.	.	1		XBOZZ
218	NAS674V8	.	BOLT	.	.	.	.	.	1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 218)	.	.	.	.	.	1		PAOZZ
	NAS43DD4-28	.	SPACER (USE WITH INDEX 218)	.	.	.	.	.	1		PAOZZ
219	NAS674V6	.	BOLT	.	.	.	.	.	2		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 219)	.	.	.	.	.	2		PAOZZ
	NAS43DD4-20	.	SPACER (USE WITH INDEX 219)	.	.	.	.	.	2		PAOZZ
220	7M637BD-4D	.	NIPPLE (76301)	.	.	.	.	.	4		PAOZZ
	MS29512-04	.	PACKING	.	.	.	.	.	4		PAOZZ
221	7M637BY-4D	.	ELBOW (76301)	.	.	.	.	.	3		PAOZZ
	AN6289D4	.	NUT (USE WITH INDEX 221)	.	.	.	.	.	3		PAOZZ
	MS29512-04	.	PACKING (USE WITH INDEX 221)	.	.	.	.	.	3		PAOZZ
	MS28773-04	.	RETAINER (USE WITH INDEX 221)	.	.	.	.	.	3		PAOZZ
222	7M637BD-6D	.	NIPPLE (76301)	.	.	.	.	.	3		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 222)	.	.	.	.	.	3		PAOZZ
223	LS580174-101	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.5.	.	.	.	.	.	2		PAOBZ
		.	IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101)	.	.	.	.	.
224	74A582082-1003	.	ADAPTER - TANK DRAIN AND VENT (76301).	.	.	.	.	.	1		PAOZZ
	74A582082-1001	.	SEE ABOVE	.	.	.	.	.	1	*	PAOZZ
225	MS29513-213	.	PACKING	.	.	.	.	.	1		PAOZZ
226	74A585741-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, PUMP, Y453.0, ASSY OF (76301)	.	.	.	.	.	1	D	PAOZZ
	74A585741-1001 ¶	.	SEE ABOVE	.	.	.	.	.	1	D*	PAOZZ
	74A587116-2001	.	RETAINER, FUEL CELL FITTING - BHD, TURBO PUMP, ASSY OF (76301) (REPLACES 74A587116-1003)	.	.	.	.	.	1	E	PAOZZ
	74A587116-1003	.	SEE ABOVE (USE UNTIL EXHAUSTED).	.	.	.	.	.	1	M	PAOZZ
227	7M637BD-6D	.	NIPPLE (76301)	.	.	.	.	.	2	T	PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 227)	.	.	.	.	.	2	T	PAOZZ
228	AN814-6D	.	PLUG	.	.	.	.	.	2	U	PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 228)	.	.	.	.	.	2	U	PAOZZ
229	MS29513-117	.	PACKING	.	.	.	.	.	1		PAOZZ
230	NAS674V6	.	BOLT	.	.	.	.	.	2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 230)	.	.	.	.	.	2		PAOZZ
231	NAS674V5	.	BOLT	.	.	.	.	.	1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 231)	.	.	.	.	.	1		PAOZZ
232	NAS674V4	.	BOLT	.	.	.	.	.	2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 232)	.	.	.	.	.	2		PAOZZ
233	NAS674V2	.	BOLT	.	.	.	.	.	1		PAOZZ
	AN960JD416L	.	WASHER (AP)	.	.	.	.	.	1		PAOZZ
234	MS29513-385	.	PACKING	.	.	.	.	.	1		PAOZZ
	74K580003-1005 + +	.	PACKING ASSORTMENT, PREFORMED FUEL TANK, NO. 3 (76301)	.	.	.	.	.	1		PAOZZ
	74K580003-1003	.	SEE ABOVE	.	.	.	.	.	1	*	PAOZZ
	MS29513-385	.	PACKING	.	.	.	.	.	1		XAOZZ
	MS29513-339	.	PACKING	.	.	.	.	.	2		XAOZZ
	MS29513-337	.	PACKING	.	.	.	.	.	5		XAOZZ
	MS29513-335	.	PACKING	.	.	.	.	.	2		XAOZZ
	MS29513-334	.	PACKING	.	.	.	.	.	3		XAOZZ
	MS29513-333	.	PACKING	.	.	.	.	.	4		XAOZZ
	MS29513-330	.	PACKING	.	.	.	.	.	2		XAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 34)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	MS29513-329	.						PACKING	3		XAOZZ
	MS29513-327	.						PACKING	2		XAOZZ
	MS29513-325	.						PACKING	5		XAOZZ
	MS29513-246	.						PACKING	1		XAOZZ
	MS29513-243	.						PACKING	1		XAOZZ
	MS29513-230	.						PACKING	13		XAOZZ
	MS29513-226	.						PACKING	22		XAOZZ
	MS29513-222	.						PACKING	10		XAOZZ
	MS29513-218	.						PACKING	5		XAOZZ
	MS29513-214	.						PACKING	14		XAOZZ
	MS29513-213	.						PACKING	2		XAOZZ
	MS29513-117	.						PACKING	1		XAOZZ
	MS29513-110	.						PACKING	1		XAOZZ
	MS29513-023	.						PACKING	1		XAOZZ
	MS29513-015	.						PACKING	2		XAOZZ
	MS29512-08	.						PACKING	3		XAOZZ
	MS29512-06	.						PACKING	5		XAOZZ
	MS29512-04	.						PACKING	7		XAOZZ
	M25988/1-022	.						PACKING	1		XAOZZ
	M25988/1-312	.						PACKING	15		XAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

@ INSTALL SHIM IF NOT RIVETED TO AFT
CHANNEL.

+ 74A586327-1013 AND 74A586327-1015 TUBE
REQUIRE FOUR 74A586248-9001 STIFFENERS.
74A586327-1023 IS REPLACEMENT PART FOR
74A586327-1013, 74A586327-1015, 74A586327-
1017, AND 74A586327-1019 TUBES BEFORE
F/A-18 AFC 18 AND F/A-18 AFC 53 AND MAY
REQUIRE FOUR 74A586309-3121 WASHERS.

+ + USER MAY COMPLETE TANK INSTALLATION
AND HAVE PACKINGS REMAINING BECAUSE
KIT CONTAINS ENOUGH PACKINGS TO
COVER ALL EFFECTIVITIES

†† THESE PARTS MUST BE USED TOGETHER.

† INSTALLED ON 161973, 161975 AND UP,
MAY BE INSTALLED ON 161716 THRU
161972 AND 161974.

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 35)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			

¢ AMFUEL OR UNIROYAL INDIVIDUAL BACKING BOARDS MUST BE REPLACED BY SAME MANUFACTURERS PART. COMPLETE SETS OF AMFUEL OR UNIROYAL BACKING BOARDS MAY BE USED WITH EITHER AMFUEL OR UNIROYAL TANKS

ϕ PREPARE MATING SURFACES OF BAFFLE AND CONNECTOR FOR ELECTRICAL BOND (A1-F18AC-LMM-000) PRIOR TO INSTALLATION.

⌘ MUST BE USED WITH 74A586687-1005 AND 74A586687-1003

¶ USE 74A585741-2001 AS REPLACEMENT PART FOR 74A585741-1001

§ USE 74A585738-2001 AS REPLACEMENT PART FOR 74A585738-1001

CODE	USABLE ON	MODEL
A	161716 THRU 161720	F/A-18A/B
B	161721 THRU 161761	F/A-18A/B
C	161716 THRU 163117	F/A-18A/B
D	161716 THRU 161761	F/A-18A/B
E	161924 & UP	F/A-18A/B
F	161721 & UP	F/A-18A/B
G	161749, 161925 THRU 162444; ALSO 161716 THRU 161748, 161750 THRU 161924 AFTER F/A-18 IAFC 034	F/A-18A/B
H	161716 THRU 161748, 161750 THRU 161924 BEFORE F/A-18 IAFC 034	F/A-18A/B
J	161716 THRU 162414	F/A-18A/B
K	161716 THRU 162401	F/A-18A/B
L	161749, 161925 & UP; ALSO 161716 THRU 161748, 161750 THRU 161924 AFTER F/A-18 IAFC 034	F/A-18A/B
M	161924 THRU 162414	F/A-18A/B

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 36)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		N						161983 & UP; ALSO 161716 THRU 161982 AFTER F/A-18 IAFC 017 PART 1 AND PART 2	F/A-18A/B		
		P						161716 THRU 161982 BEFORE P/A-18 IAFC 017 PART 1 AND PART 2	F/A-18A/B		
		Q						163118 & UP	F/A-18A/B		
		R						161981 THRU 163117	F/A-18A/B		
		S						161924	F/A-18B		
		T						161716 THRU 163145	F/A-18A/B		
		U						163146 & UP	F/A-18A/B		
		V						161925 THRU 161980	F/A-18A/B		
		W						161716 THRU 161761; ALSO 163118 AND UP			

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REPAIR - NO. 3 FUEL TANK INVERTED FLIGHT BAFFLE ASSEMBLY (5CAP517)

FUEL STORAGE SYSTEM

Title	WP Number
Repair - No. 3 Fuel Tank Inverted Flight Baffle Assembly - 161353 THRU 161715	
BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	024 04
Repair - No. 3 Fuel Tank Inverted Flight Baffle Assembly - 161716 AND UP; ALSO	
161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	024 05

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REPAIR - NO. 3 FUEL TANK INVERTED FLIGHT BAFFLE ASSEMBLY (5CAP517)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Structural Hardware NAVAIR 01-1A-8

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Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	External Air Source (20 to 40 psi)

Materials Required

Specification or Part Number	Nomenclature
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-S-8802, TY2CLA-1/2 (CAGE 83149)	Sealing Compound
TT-I-735 (CAGE 81348)	Isopropyl Alcohol

1. GENERAL.

a. For rivet and plate nut removal and installation, refer to NAVAIR 01-1A-8.

b. Maximum gap of assembled parts should not exceed 0.010 inch. If maximum gap is exceeded, bond shims, as required, to reduce gap per substeps below:



Isopropyl Alcohol, TT-I-735

2

(1) Wipe areas to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe area dry with clean cheesecloth before isopropyl alcohol evaporates.



Sealing Compound, MIL-S-8802, TY2CLA-1/2

3

(2) Apply sealing compound to surface to be bonded with brush.

(3) Position shim.

(4) Check for maximum gap. Install additional shims as required to reduce gap to allowable limits.

2. INSPECTION.

a. Inspect and replace retainers (figure 1) which are:

- (1) bent
- (2) damaged

b. Inspect and replace panels (figures 2, 3 and 4) which are:

- (1) cracked
- (2) bent
- (3) damaged

c. Inspect and replace supports (paragraph 6) which are:

- (1) cracked
- (2) bent
- (3) damaged

d. Inspect and replace beams (paragraph 7) which are:

- (1) cracked
- (2) bent
- (3) damaged

e. Inspect and replace brackets (paragraph 8) which are:

- (1) cracked
- (2) bent
- (3) damaged

f. Inspect and replace platenuts which are:

- (1) stripped
- (2) cross threaded

g. Inspect and replace rivets which are:

- (1) loose
- (2) missing

h. Inspect and replace/repair screen assemblies (paragraph 5 or 10) which are:

- (1) torn
- (2) dented
- (3) damaged

i. Inspect and replace check valves (paragraph 4) which are:

- (1) damaged
- (2) improperly seated
- (3) binding

j. Inspect and replace center panel hinge/s, if applicable (paragraph 9) which are:

- (1) bent

(2) damaged

k. Inspect entire baffle assembly for:

(1) burrs

(2) sharp edges that could damage tank

(3) cleanliness

(4) corrosion

3. DISASSEMBLY.

a. Disassemble parts only enough to replace defective parts. Identify and tag all components to aid in reassembly.

4. CHECK VALVE.

a. Remove applicable check valve per substeps below:

(1) Remove check valve (23, figure 2, detail B), screws (24) and washers.

(2) Remove check valve (52, figure 4, detail M) screws (53) and washers.

5. SCREEN ASSEMBLY.

a. Remove screen assembly (4, figure 2, detail B) per substeps below:

(1) Remove screws (24) and washers and check valve (23).

(2) Remove screws (25) and washers, seal plate (22) and screen assembly (4).

b. Remove screen assembly (20, figure 4, detail M) per substeps below:

(1) Remove screws (53) and washers and check valve (52).

(2) Remove screws (54) and washers, seal plate (51) and screen assembly (20).

6. SUPPORT ASSEMBLY.

a. Disassemble supports as required to repair or replace defective part (figure 2, 3 and 4).

7. BEAM ASSEMBLY REMOVAL.

a. Disassemble beam as required to repair or replace defective part (figure 2, 3 and 4).

8. BRACKET ASSEMBLY REMOVAL.

a. Disassemble bracket as required to repair or replace defective part (figure 2, 3 and 4).

9. HINGE. (19 OR 20, FIGURE 3).

a. Remove hinge pin (21, detail D or E).

b. If removing hinge (19), remove rivets from hinge (19) and webs (18 or 24) per NAVAIR 01-1A-8.

c. If removing hinge (20), remove rivets from hinge (20), web (10 or 22) and angle (12) per NAVAIR 01-1A-8.

10. REPAIR.

11. SCREEN REMOVAL.

a. Repair screen assembly (4, figure 2, detail B) per substeps below:

(1) Remove screen assembly per paragraph 5.

(2) Remove rivets (21) per NAVAIR 01-1A-8 from retaining plates (19), screen mesh (20) and platenuts (18).

b. Repair screen assembly (20, figure 4, detail M) per substeps below:

(1) Remove screen assembly per paragraph 5.

(2) Remove rivets (50) per NAVAIR 01-1A-8 from retaining plates (48), screen mesh (49) and nuts (47).

12. SCREEN INSTALLATION.

a. Repair screen assembly (4, figure 2, detail B) per substeps below:

(1) Position screen mesh (20), retaining plates (19) and plate nuts (18), then install rivets (21) per NAVAIR 01-1A-8.

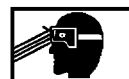
(2) Install screen assembly per paragraph 15.

b. Repair screen assembly (20, figure 4, detail M) per substeps below:

(1) Position screen mesh (49), retaining plates (48) and nuts (47), then install rivets (50) per NAVAIR 01-1A-8.

(2) Install screen assembly per paragraph 15.

13. CLEANING.



Isopropyl Alcohol, TT-I-735



Failure to do the steps below may result in damage to fuel tank.

a. Clean all parts with dry, clean cloth or cheese-cloth moistened with isopropyl alcohol until free of:

(1) grease

(2) dirt

WARNING

To prevent injury to personnel, do not direct compressed air against skin.

b. Blow loose foreign particles from parts using dry, filtered, low pressure (20 to 40 psi) air.

14. ASSEMBLY.

a. Assemble components removed during disassembly.

15. SCREEN ASSEMBLY.

a. Install screen assembly (4, figure 2, detail B) per substeps below:

(1) Install screen assembly (4), seal plate (22), screws (25), and washers.

(2) Install check valve (23), screws (24) and washers.

b. Install screen assembly (20, figure 4, detail M) per substeps below:

(1) Install screen assembly (20), seal plate (51), bolts (54) and washers.

(2) Install check valve (52), screws (53) and washers.

16. CHECK VALVE.

a. Install applicable check valve per substeps below:

(1) Install check valve (23, figure 2, detail B), screws (24) and washers.

(2) Install check valve (52, figure 4, detail M), screws (53) and washers.

17. SUPPORT ASSEMBLY.

a. Assemble repaired/replaced parts of support assembly (figures 2, 3 and 4).

18. BEAM ASSEMBLY.

a. Assemble repaired/replaced parts of beam assembly (figures 2, 3 and 4).

19. BRACKET ASSEMBLY.

a. Assemble repaired/replaced parts of bracket assembly (figures 2, 3 and 4).

20. HINGE INSTALLATION. (19 OR 20, FIGURE 3).

a. If installing hinge (19, detail D or E), do substeps below:

(1) Place hinge (19) with center of hinge pin hole (view F) 0.050 inch from outboard edge of panel (18 or 24).

(2) Place forward and aft edges of hinge (19) equal distance from forward and aft edges of webs (18 or 24).

b. If installing hinge (20, detail D or E), do substeps below:

(1) Place hinge (20) with center of hinge pin hole, (view E), 0.050 inch from outboard edge of web (10 or 22).

(2) Place forward and aft edges of hinge (20) equal distance from forward and aft edges of web (10 or 22).

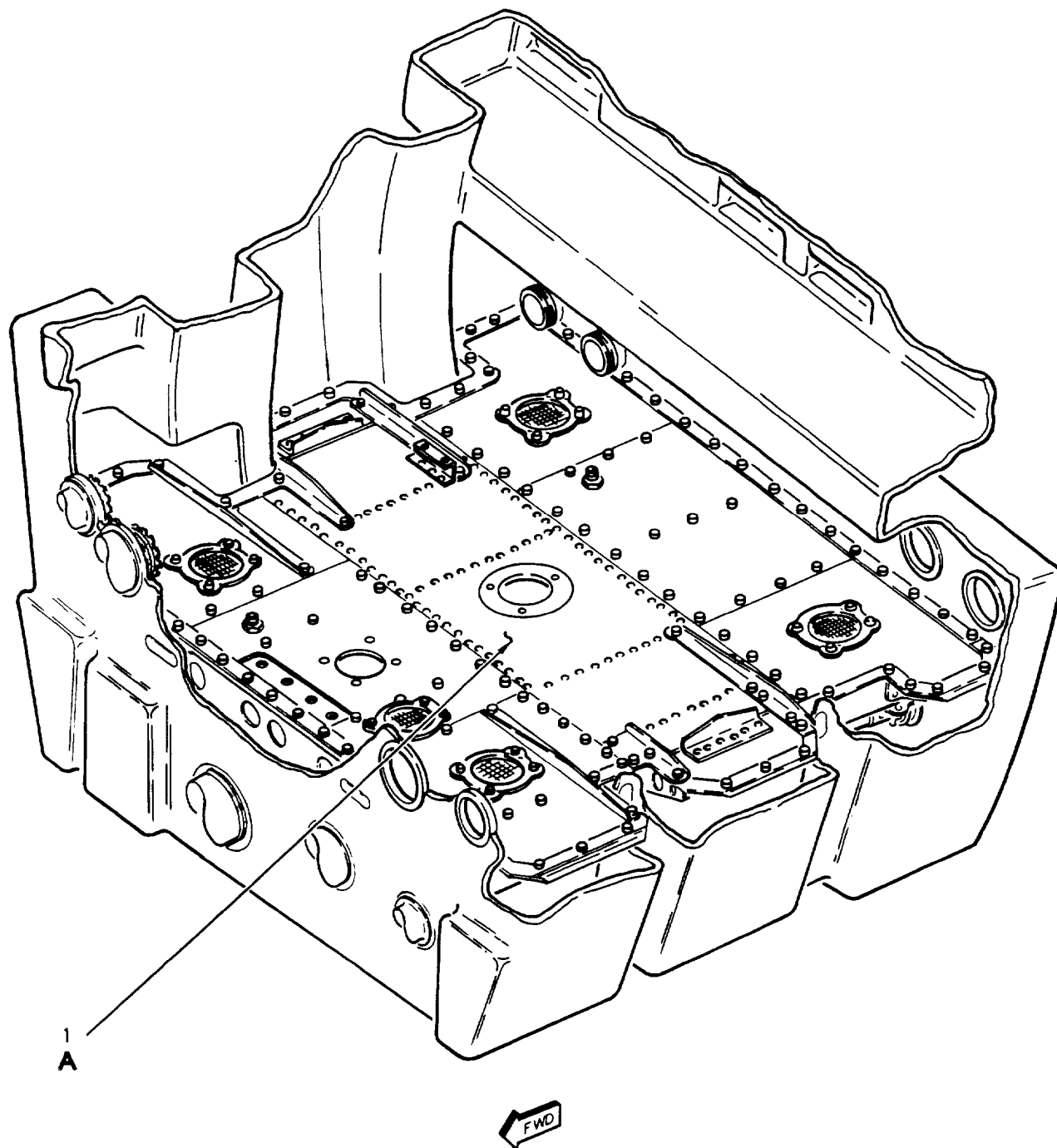
(3) Place angle (12) on top of web (10 or 22) at inboard edge and equal distance from forward and aft edges of web (10 or 22).

c. Drill holes and install rivets per NAVAIR 01-1A-8.

d. Mate hinges (19 and 20) and install hinge pin (21).

21. ILLUSTRATED PARTS BREAKDOWN.

22. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



LEGEND

- 1 SEE AFT PANEL ASSEMBLY FOR BREAKDOWN. (FIGURE 2)
- 2 SEE CENTER PANEL ASSEMBLY FOR BREAKDOWN. (FIGURE 3)
- 3 SEE FORWARD PANEL ASSEMBLY FOR BREAKDOWN. (FIGURE 4)
- 4 PLUG ALL TOOLING HOLES ■ IN SKINS (WEBS) WITH RIVETS (INDEX 20)

Figure 1. Inverted Flight Baffle (Sheet 1)

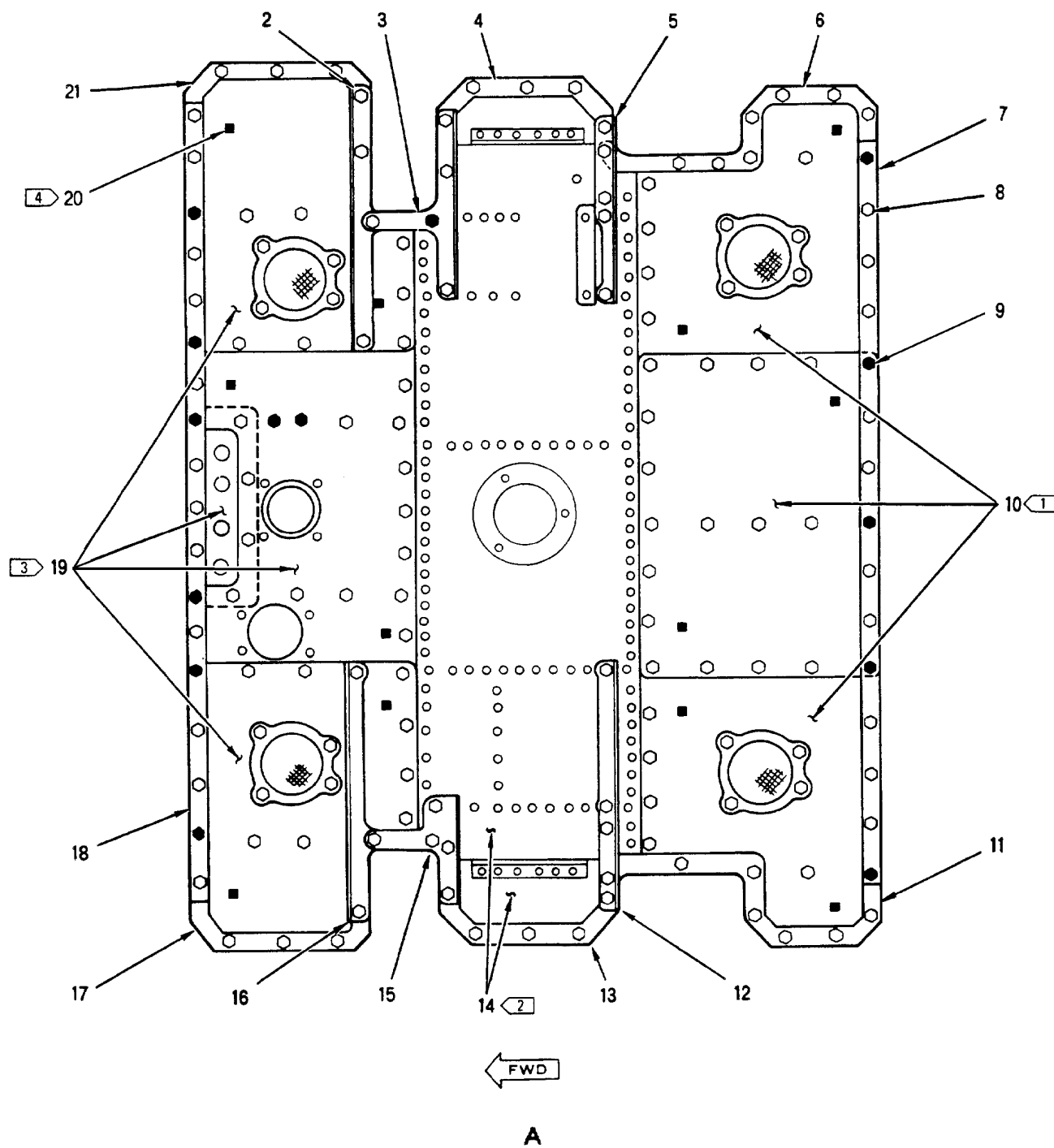


Figure 1. Inverted Flight Baffle (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
1	74A586303-1011	INVERTED FLIGHT BAFFLE BAFFLE ASSY - INVERTED FLIGHT TANK NO. 3, FUEL SYSTEM (76301) (SEE ASSEMBLY PROCEDURE IN THIS WORK PACKAGE) (REPLACES 74A586303-1007)	1		AOOOG
	74A586303-1007	. BAFFLE ASSY - INVERTED FLIGHT, TANK NO. 3, FUEL SYSTEM (76301) (SEE ASSEMBLY PROCEDURE IN THIS WORK PACKAGE) (REPLACED BY 74A586303-1011)	1	*	AOOOG
2	74A586303-2399	. RETAINER (76301)	1		XBOZZ
3	74A586303-2353	. RETAINER (76301)	1		XBOZZ
4	74A586303-2369	. RETAINER (76301)	1		XBOZZ
5	74A586303-2309	. RETAINER (76301)	1		XBOZZ
6	74A586303-2327	. RETAINER (76301)	1		XBOZZ
7	74A586303-2375	. RETAINER (76301)	1		XBOZZ
8	NAS673V4	. BOLT	174		PAOZZ
9	NAS673V6	. BOLT	14		PAOZZ
10	74A586303-2537	. PANEL ASSY, AFT (76301) (AFT PANEL ASSEMBLY)	1		XBOOO
	74A586303-2201	. SHIM (76301) (0.012 INCH THICK) (USE WITH INDEX 10)	AR		MGOZZ
	74A586303-2203	. SHIM (76301) (0.020 INCH THICK) (USE WITH INDEX 10)	AR		MGOZZ
	74A586303-2205	. SHIM (76301) (0.032 INCH THICK) (USE WITH INDEX 10)	AR		MGOZZ
	74A586303-2207	. SHIM (76301) (0.012 INCH THICK) (USE WITH INDEX 10)	AR		MGOZZ
	74A586303-2209	. SHIM (76301) (0.050 INCH THICK) (USE WITH INDEX 10)	AR		MGOZZ
11	74A586303-2325	. RETAINER (76301)	1		XBOZZ
12	74A586303-2519	. RETAINER (76301)	1		XBOZZ
13	74A586303-2371	. RETAINER (76301)	1		XBOZZ
14	74A586303-2563	. PANEL ASSY, CENTER (CENTER PANEL ASSEMBLY) (76301) (DOUBLE HINGE)	1	A	XBOOO
	74A586303-2547	. PANEL ASSY, CENTER (CENTER PANEL ASSEMBLY) (76301) (SINGLE HINGE)	1	B	XBOOO
	74A586303-2531	. PANEL ASSY, CENTER (CENTER PANEL ASSEMBLY) (76301)	1	C	XBOOO
	74A586303-2201	. SHIM (76301) (0.012 INCH THICK) (USE WITH INDEX 14)	AR		MGOZZ
	74A586303-2203	. SHIM (76301) (0.020 INCH THICK) (USE WITH INDEX 14)	AR		MGOZZ
	74A586303-2205	. SHIM (76301) (0.032 INCH THICK) (USE WITH INDEX 14)	AR		MGOZZ
	74A586303-2207	. SHIM (76301) (0.012 INCH THICK) (USE WITH INDEX 14)	AR		MGOZZ
	74A586303-2209	. SHIM (76301) (0.050 INCH THICK) (USE WITH INDEX 14)	AR		MGOZZ
15	74A586303-2527	. RETAINER (76301)	1		XBOZZ
16	74A586303-2401	. RETAINER (76301)	1		XBOZZ
17	74A586303-2373	. RETAINER (76301)	1		XBOZZ
18	74A586303-2377	. RETAINER (76301)	1		XBOZZ
19	74A586303-2539	. PANEL ASSY, FWD (76301) (FORWARD PANEL ASSEMBLY)	1		XBOOO

Figure 1. Inverted Flight Baffle (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	74A586303-2201	.	SHIM (76301) (0.012 INCH THICK) (USE WITH						AR		MGOZZ
			INDEX 19)								
	74A586303-2203	.	SHIM (76301) (0.020 INCH THICK) (USE WITH						AR		MGOZZ
			INDEX 19)								
	74A586303-2205	.	SHIM (76301) (0.032 INCH THICK) (USE WITH						AR		MGOZZ
			INDEX 19)								
	74A586303-2207	.	SHIM (76301) (0.012 INCH THICK) (USE WITH						AR		MGOZZ
			INDEX 19)								
	74A586303-2209	.	SHIM (76301) (0.050 INCH THICK) (USE WITH						AR		MGOZZ
			INDEX 19)								
20	MS20470B8 #	.	RIVET						AR		-
21	74A586303-2421	.	RETAINER (76301)						1		XBOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

CODE	USABLE ON	MODEL
A	PN 74A586303-1011 (DOUBLE HINGE)	
B	PN 74A586303-1011 (SINGLE HINGE)	
C	PN 74A586303-1007 (NO HINGE)	

Figure 1. Inverted Flight Baffle (Sheet 4)

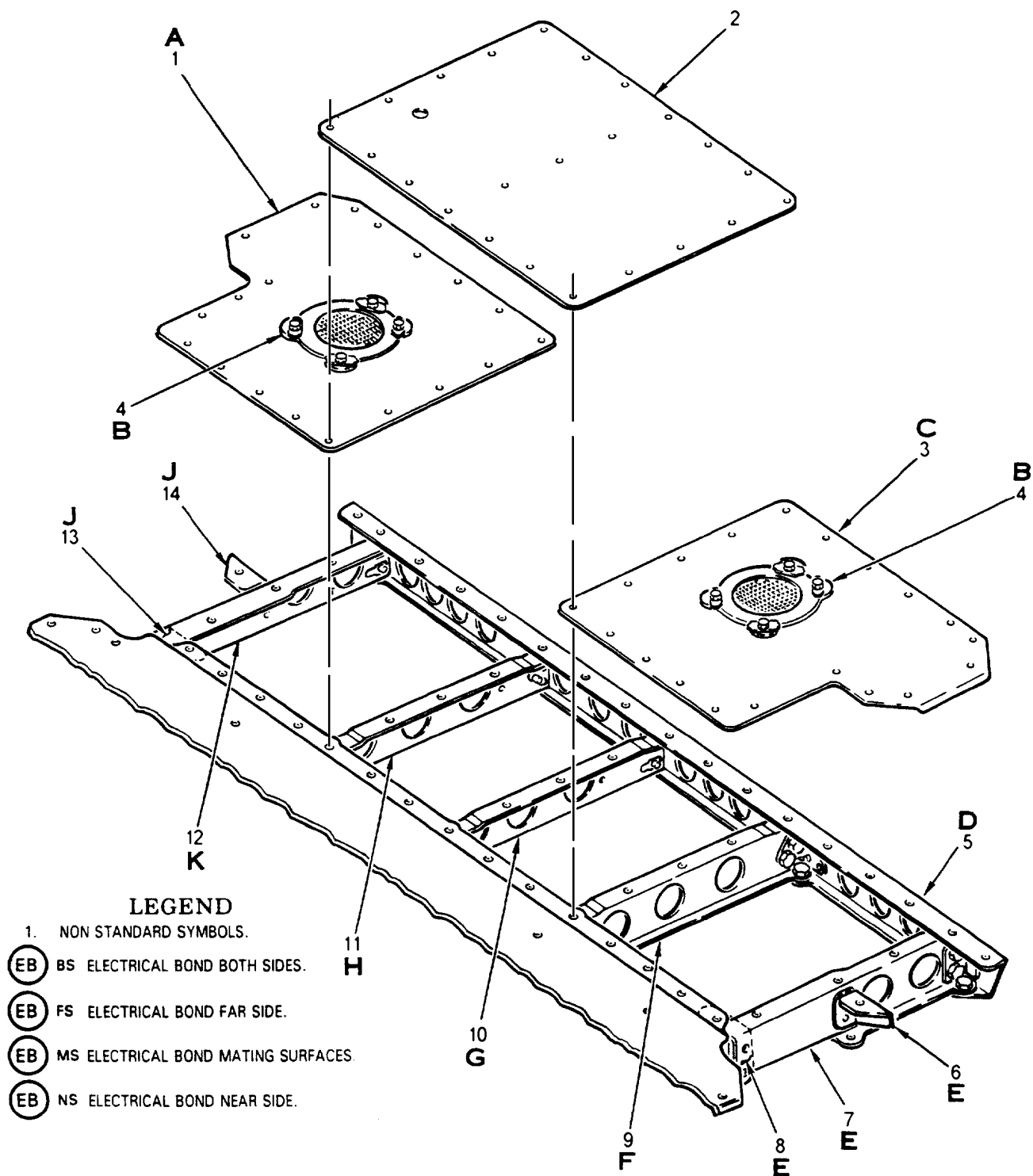


Figure 2. Aft Panel Assembly (Sheet 1)

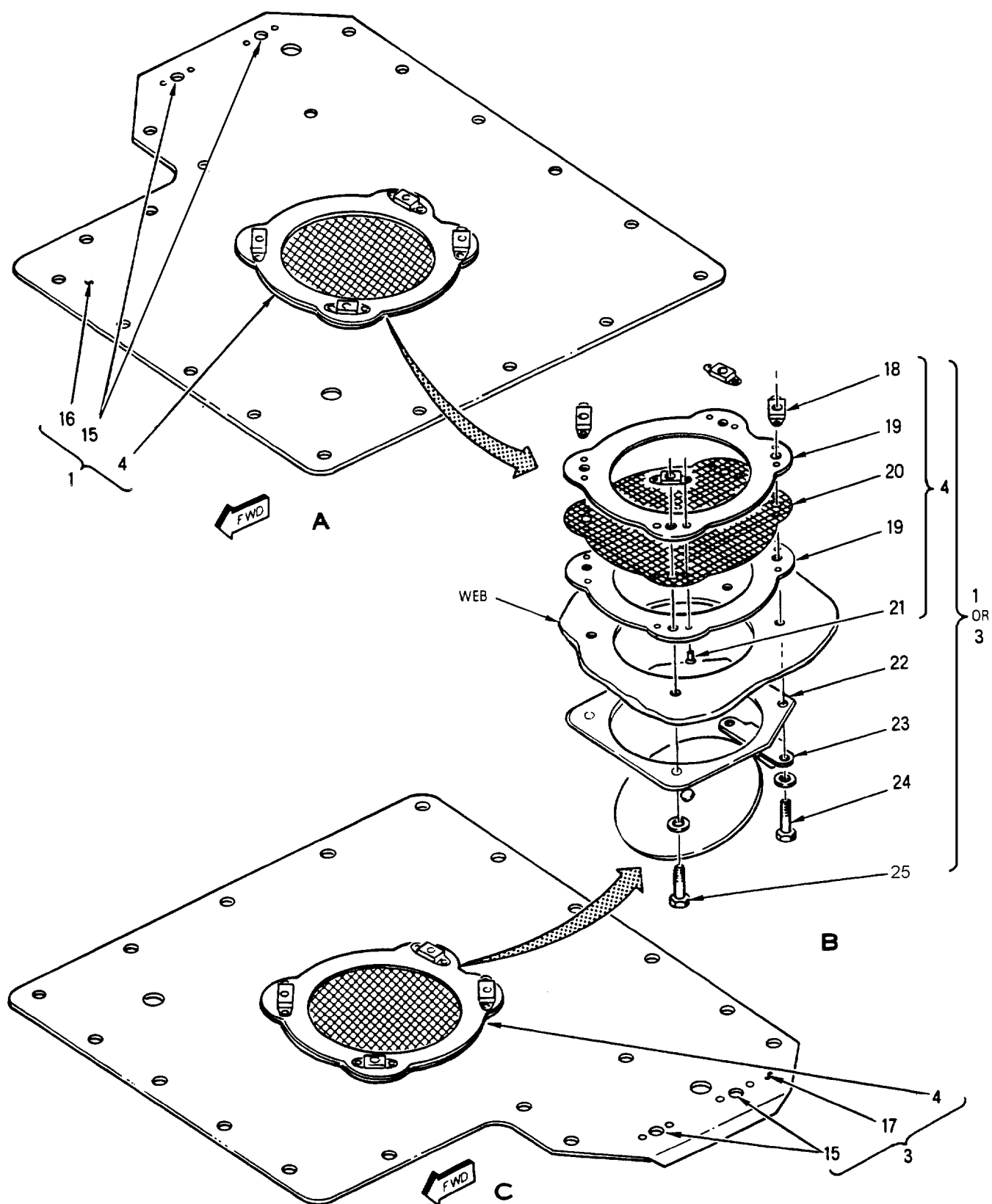


Figure 2. Aft Panel Assembly (Sheet 2)

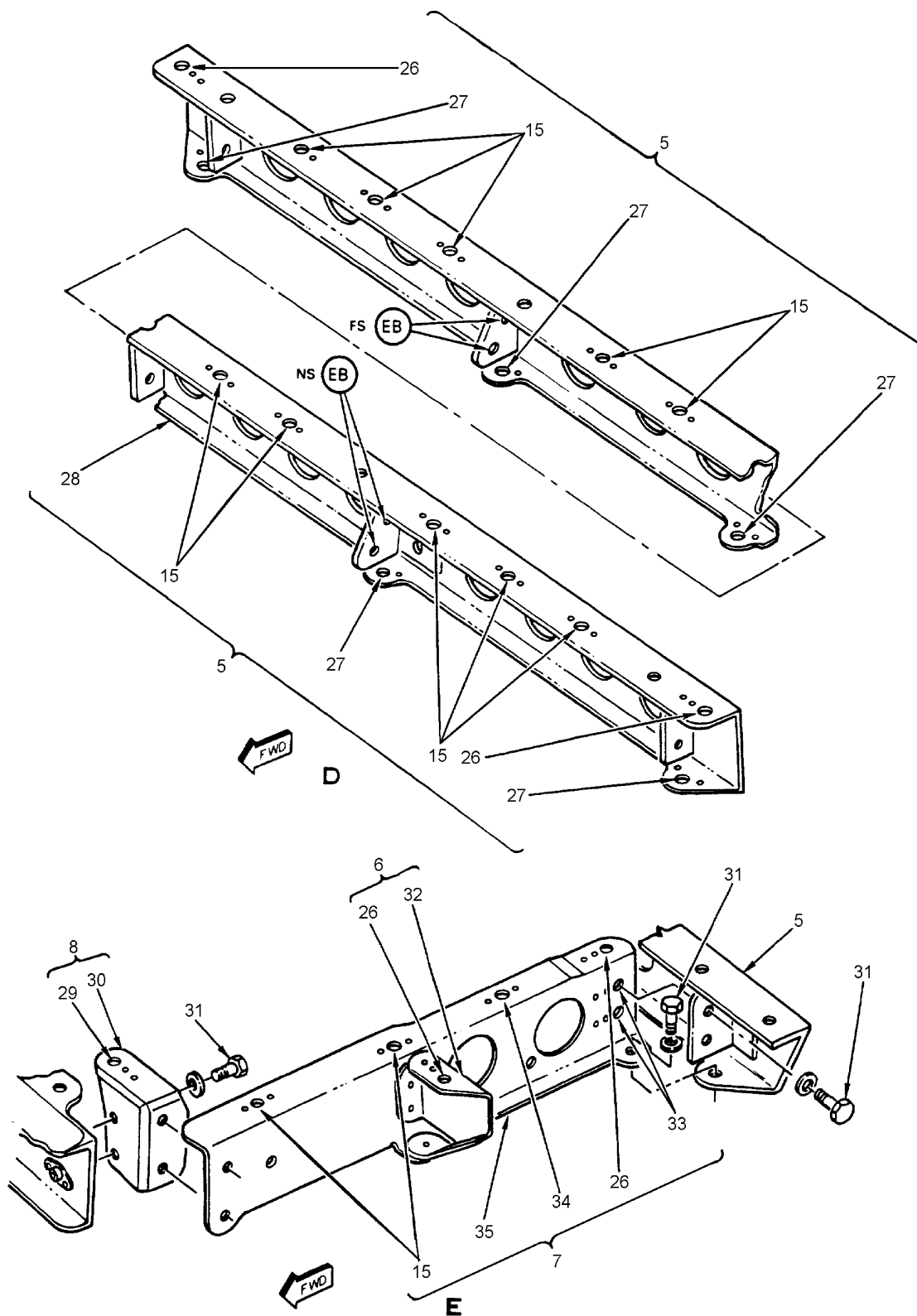


Figure 2. Aft Panel Assembly (Sheet 3)

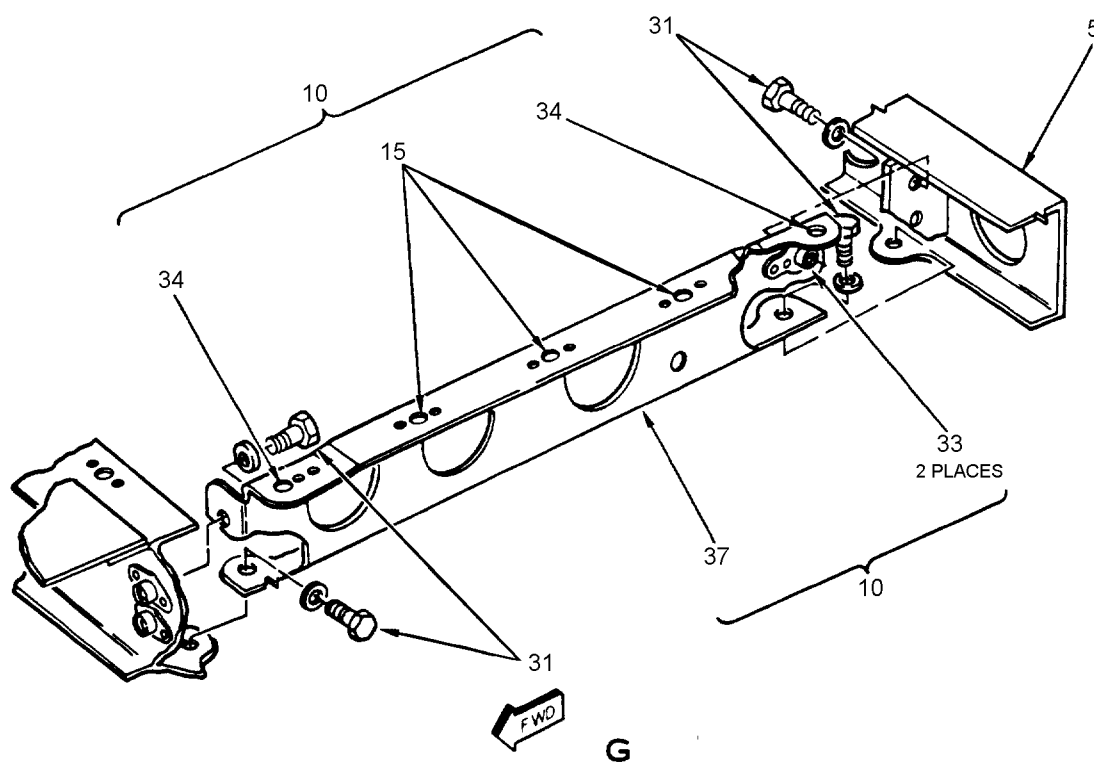
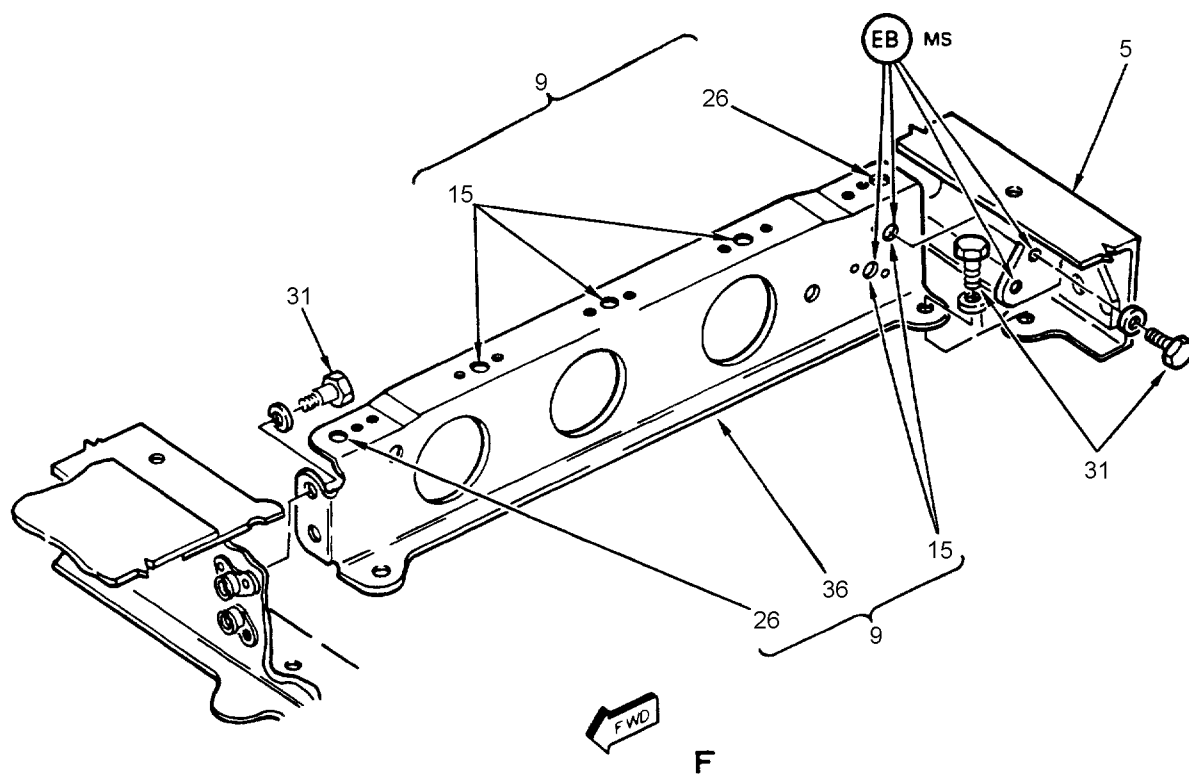


Figure 2. Aft Panel Assembly (Sheet 4)

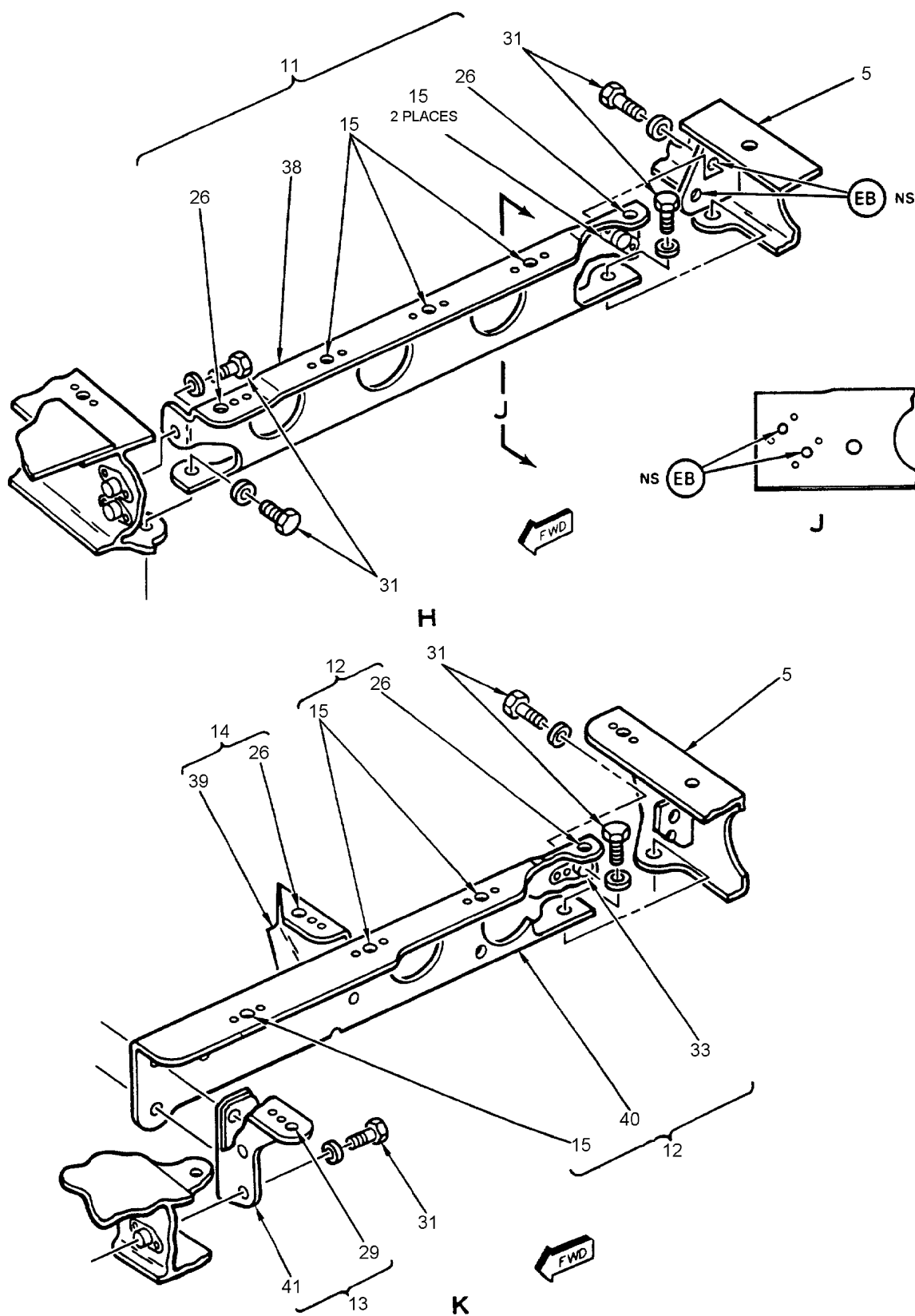


Figure 2. Aft Panel Assembly (Sheet 5)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		AFT PANEL ASSEMBLY									
1	74A586303-2335	.	WEB ASSY (76301)						1		XBOOO
2	74A586303-2533	.	SKIN (76301)						1		XBOZZ
3	74A586303-2345	.	WEB ASSY (76301)						1		XBOOO
4	74A586204-2185	.	SCREEN ASSY (76301)						1		XBOOO
5	74A586303-2313	.	BEAM ASSY (76301) (SUPERSEDES						1		XBOOO
			74A586303-2049)								
6	74A586303-2363	.	KNEE ASSY (76301)						1		XBOOO
	MS20470AD5 #	.	RIVET (AP)						3		-
7	74A586303-2058	.	BRACKET, DOUBLE ANGLE (76301)						1		XBOOO
8	74A586208-1001	.	BRACKET, BAFFLE (76301)						1		XBOOO
9	74A586303-2060	.	BRACKET, DOUBLE ANGLE (76301)						1		XBOOO
10	74A586303-2061	.	BRACKET, DOUBLE ANGLE (76301)						1		XBOOO
11	74A586303-2059	.	BRACKET, DOUBLE ANGLE (76301)						1		XBOOO
12	74A586303-2057	.	BRACKET, DOUBLE ANGLE (76301)						1		XBOOO
13	74A586208-1002	.	BRACKET, BAFFLE (76301)						1		XBOOO
14	74A586303-2364	.	KNEE ASSY (76301)						1		XBOOO
	MS20470AD5 #	.	RIVET (AP)						3		-
15	F50339-3-2	.	NUT, SELF-LOCKING, PLATE (15653)						AR	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M2)								
	F12090-2-3	.	NUT, SELF-LOCKING, PLATE (72962)						AR	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M2)								
	NAS1097AD3 #	.	RIVET (AP)						2		-
16	74A586303-2333	.	WEB (76301)						1		XAOZZ
17	74A586303-2347	.	WEB (76301)						1		XAOZZ
18	MS21060L06	.	NUT						4		PAOZZ
19	74A586204-2187	.	PLATE, RETAINING, SCREEN (76301)						2		MGOZZ
20	74A586204-2189	.	SCREEN, MESH (76301)						1		MGOZZ
21	NAS1097AD3 #	.	RIVET						8		-
22	74A586286-2001	.	SEAL, PLATE (76301)						1		XBOZZ
23	55-6003	.	DISK ASSEMBLY, VALVE CHECK, FUEL						1		PAOZZ
			SYSTEM, GRAVITY FEED (96736)								
			(MCDONNELL SPEC 74J588006-107)								
24	NAS1802-06-9	.	SCREW						2		PAOZZ
	AN960JD6L	.	WASHER (USE WITH INDEX 24)						2		PAOZZ
25	NAS1802-06-9	.	SCREW						2		PAOZZ
	AN960JD6L	.	WASHER (USE WITH INDEX 25)						2		PAOZZ
26	F50340-3-2	.	NUT, SELF-LOCKING, PLATE (15653)						AR	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M2)								
	F12089-2-3	.	NUT, SELF-LOCKING, PLATE (72962)						AR	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M2)								
	NAS1097AD3 #	.	RIVET (AP)						2		-
27	F50403-3-2	.	NUT, SELF-LOCKING, PLATE (15653)						AR	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M2)								
	F12092-2-3	.	NUT, SELF-LOCKING, PLATE (72962)						AR	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M2)								
	NAS1097AD3 #	.	RIVET (AP)						2		-
28	74A586303-2437	.	BEAM (76301)						1		XAOZZ
29	F50340-3-2	.	NUT, SELF-LOCKING, PLATE (15653)						1	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M2)								

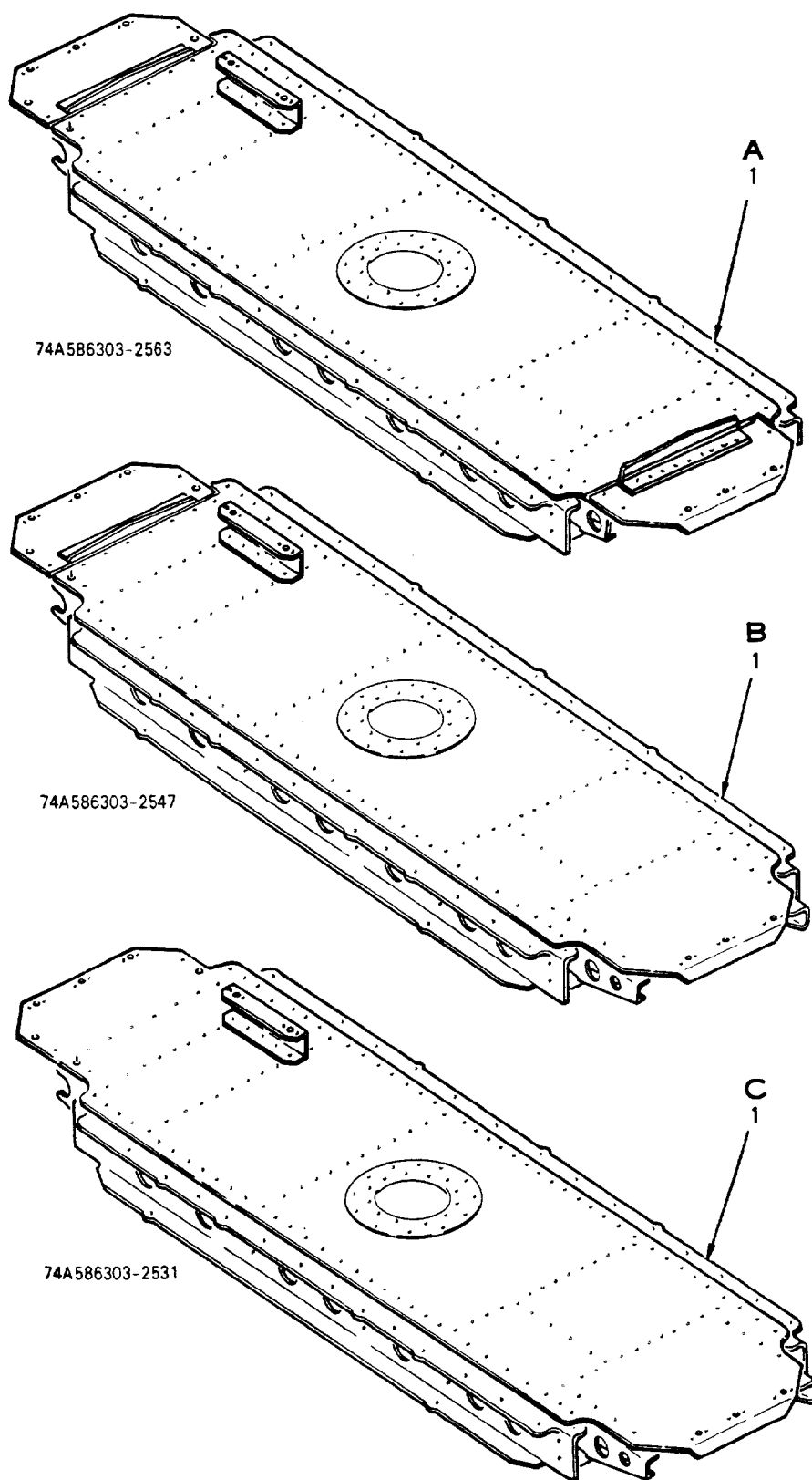
Figure 2. Aft Panel Assembly (Sheet 6)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
30	74A586208-2001	. BRACKET (76301)	1		XBOZZ
31	NAS673V4	. BOLT	AR		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 31)	AR		PAOZZ
32	74A586303-2419	. KNEE (76301)	1		XAOZZ
33	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M4)	AR	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M4)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
34	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	AR	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
35	74A586303-2158	. BRACKET, DOUBLE ANGLE (76301)	1		XAOZZ
36	74A586303-2160	. BRACKET, DOUBLE ANGLE (76301)	1		XAOZZ
37	74A586303-2161	. BRACKET, DOUBLE ANGLE (76301)	1		XAOZZ
38	74A586303-2159	. BRACKET, DOUBLE ANGLE (76301)	1		XAOZZ
39	74A586303-2420	. KNEE (76301)	1		XAOZZ
40	74A586303-2157	. BRACKET, DOUBLE ANGLE (76301)	1		XAOZZ
41	74A586208-2002	. BRACKET (76301)	1		XBOZZ

* ALTERNATE OR EQUIVALENT
PARTS.. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

Figure 2. Aft Panel Assembly (Sheet 7)

**LEGEND**

1. ALL RIVETS, NOT INDEXED AND/OR LISTED AS (AP), ARE MS20470D5. LENGTH IS TO BE DETERMINED ON INSTALLATION.

2. NONSTANDARD SYMBOLS.

(EB) FS ELECTRICAL BOND FAR SIDE.

(EB) MS ELECTRICAL BOND MATING SURFACES.

(EB) NS ELECTRICAL BOND NEAR SIDE.

Figure 3. Center Panel Assembly (Sheet 1)

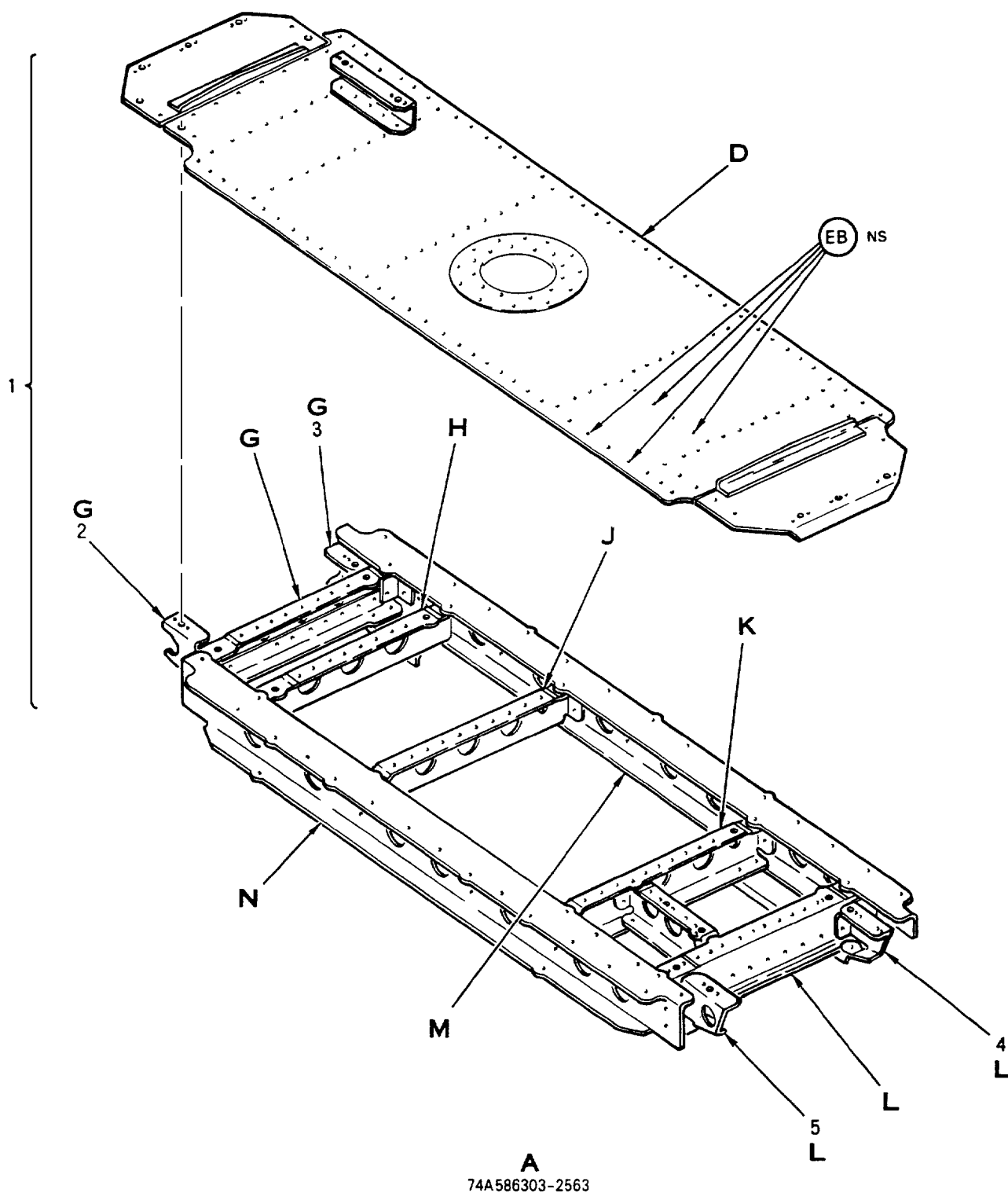


Figure 3. Center Panel Assembly (Sheet 2)

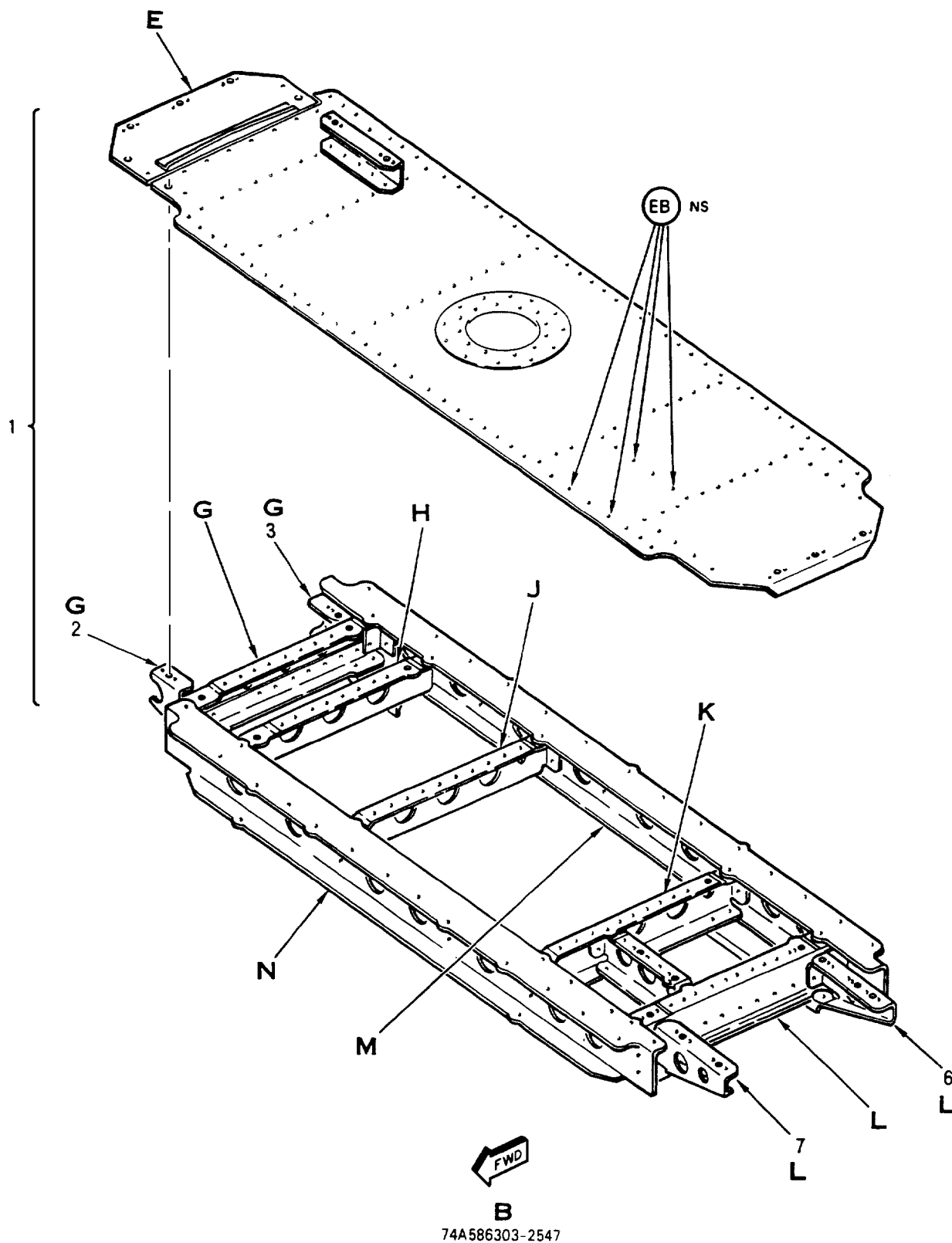


Figure 3. Center Panel Assembly (Sheet 3)

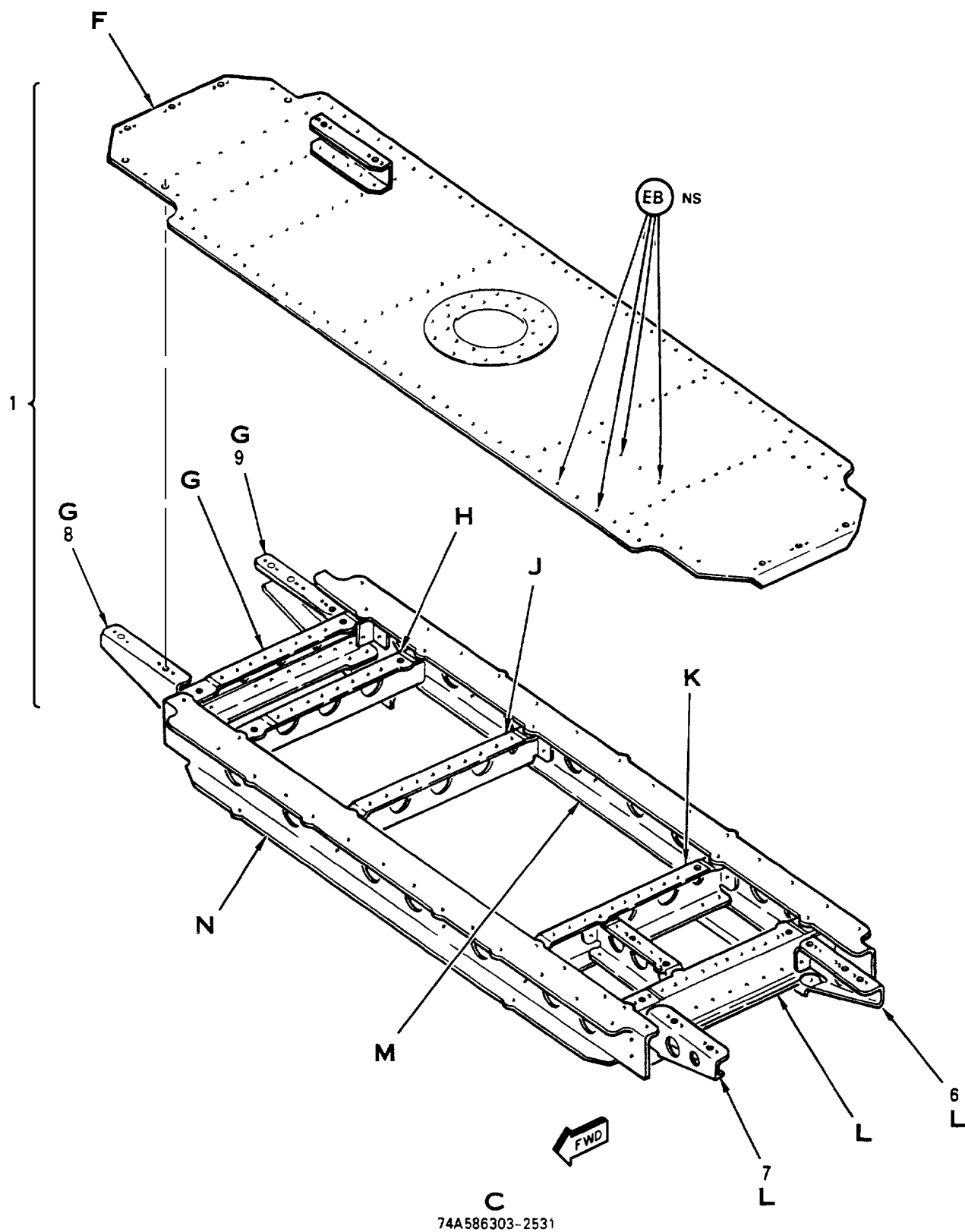


Figure 3. Center Panel Assembly (Sheet 4)

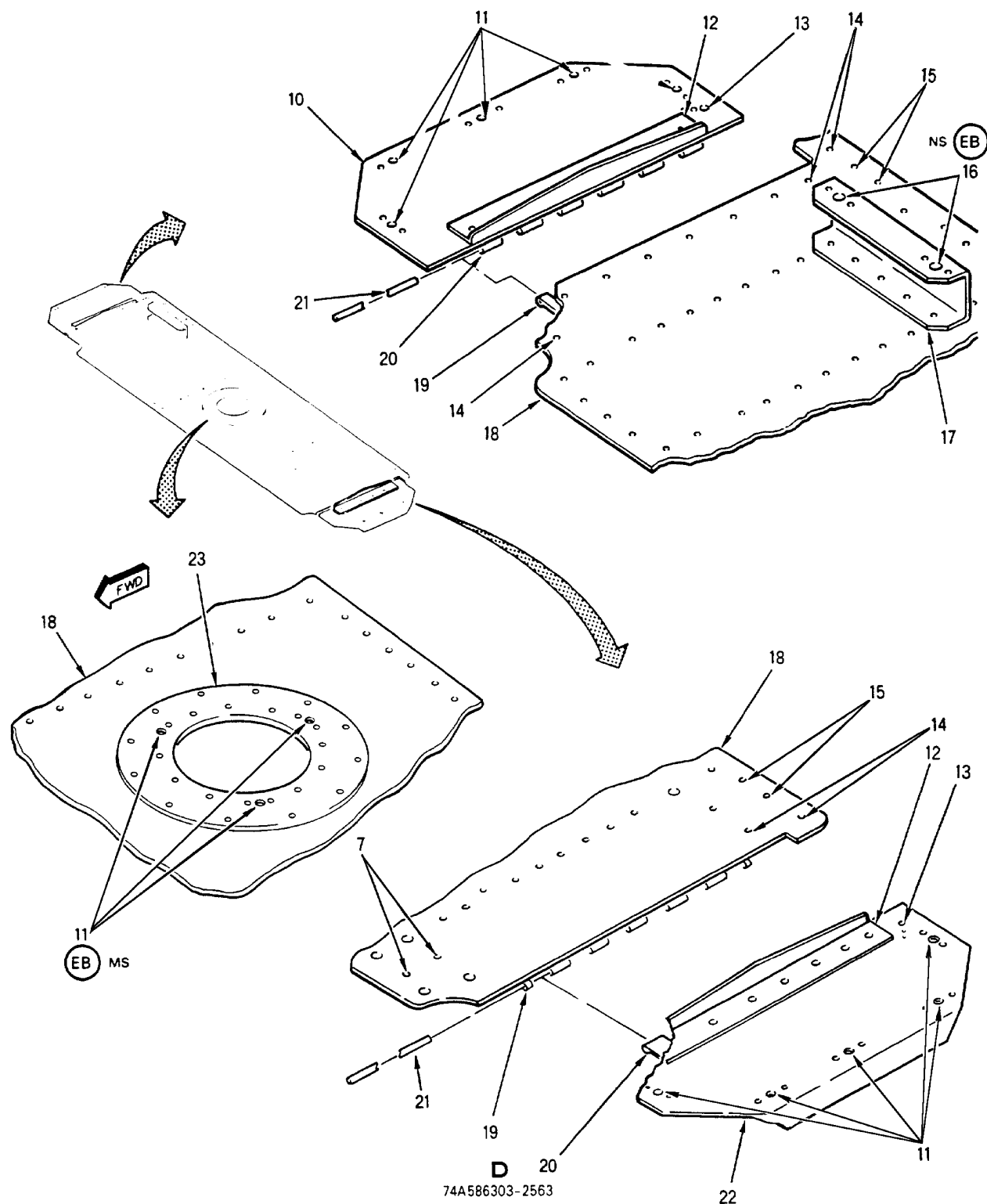
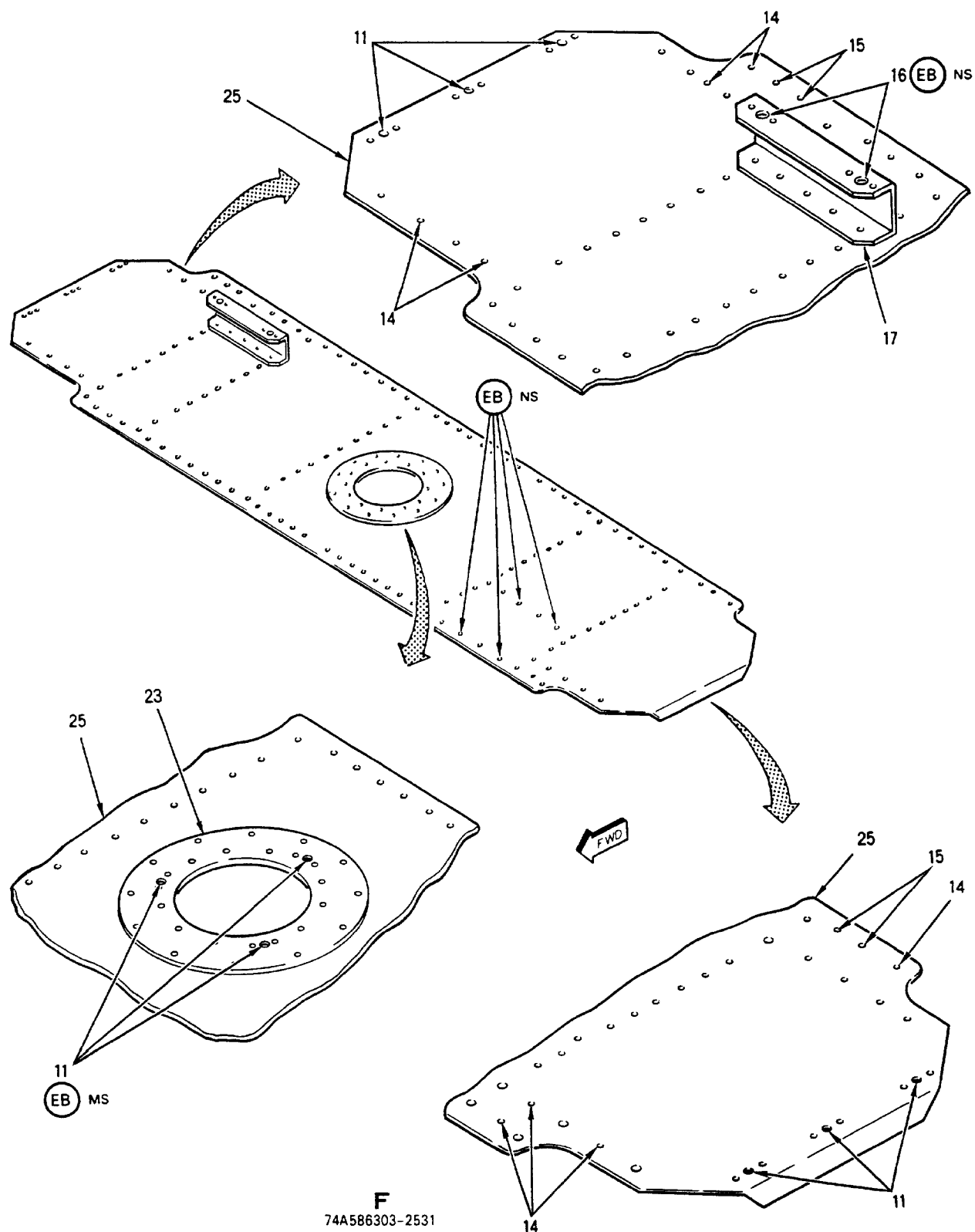


Figure 3. Center Panel Assembly (Sheet 5)



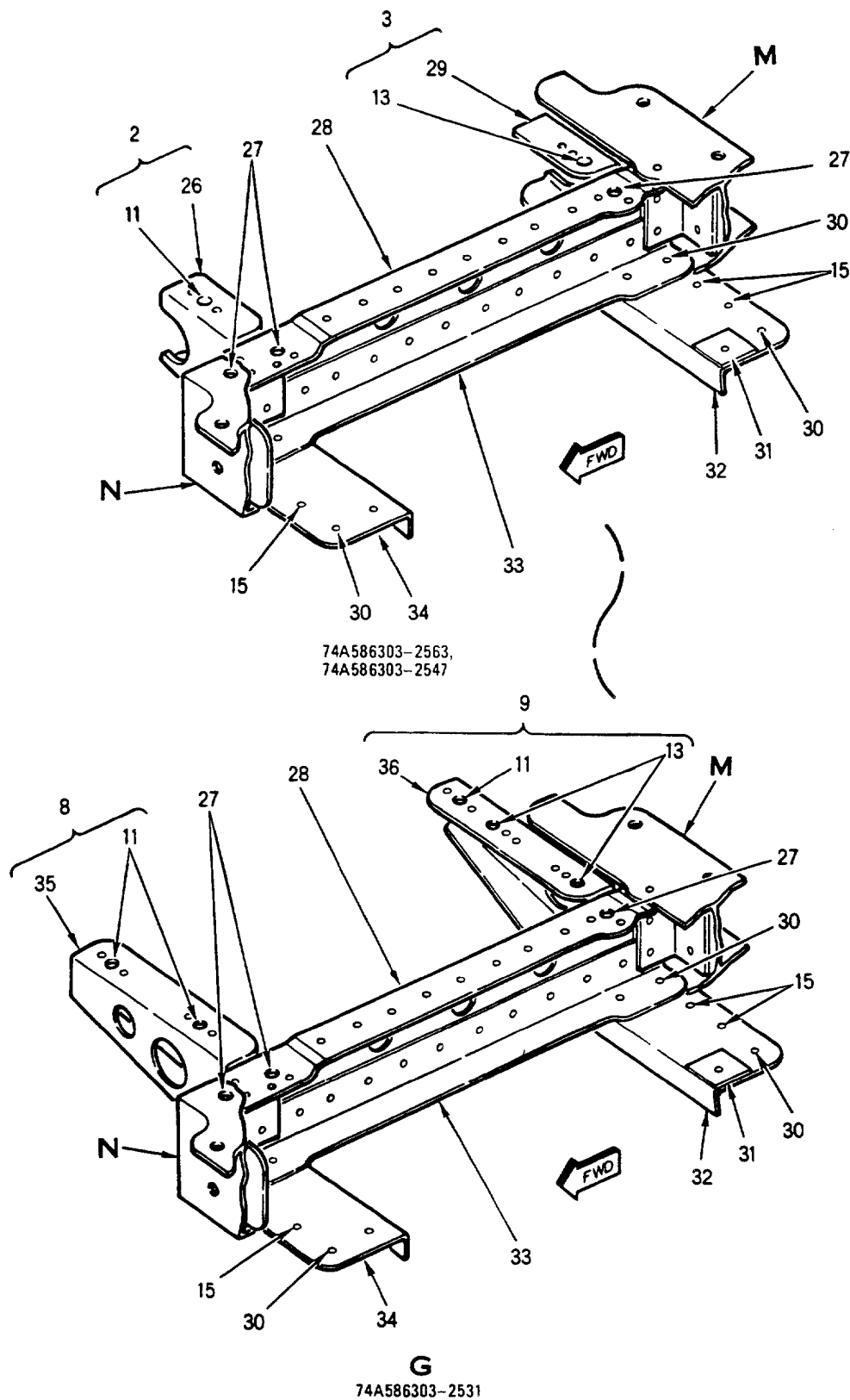


Figure 3. Center Panel Assembly (Sheet 8)

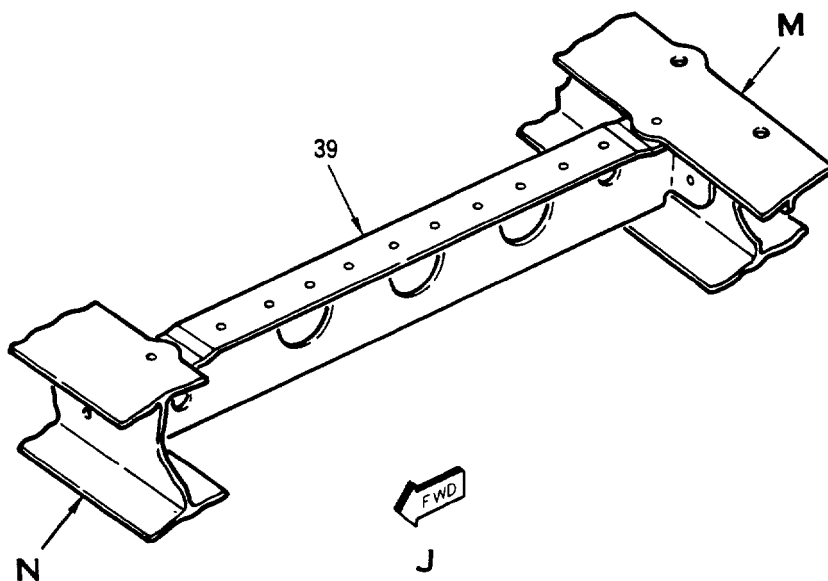
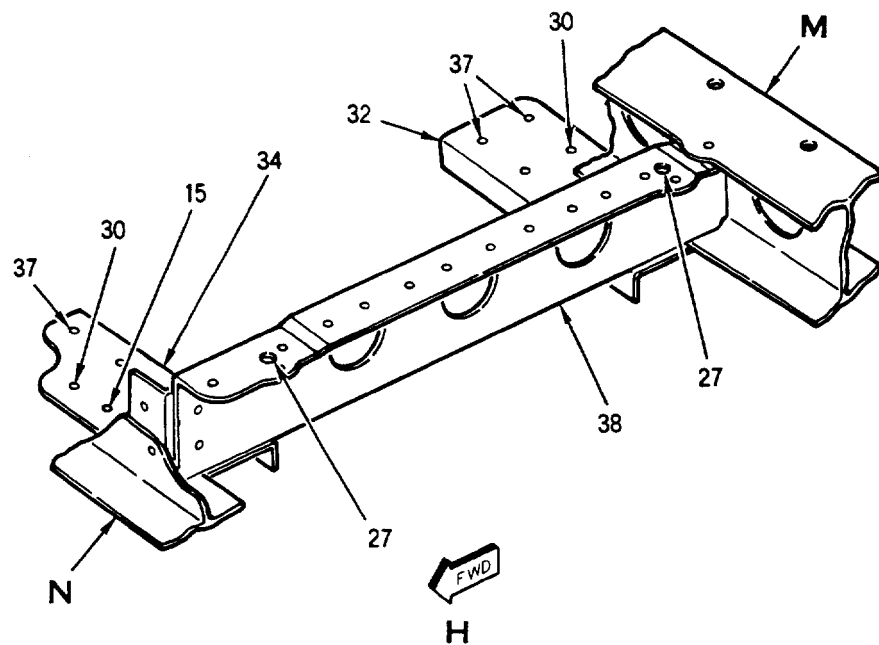


Figure 3. Center Panel Assembly (Sheet 9)

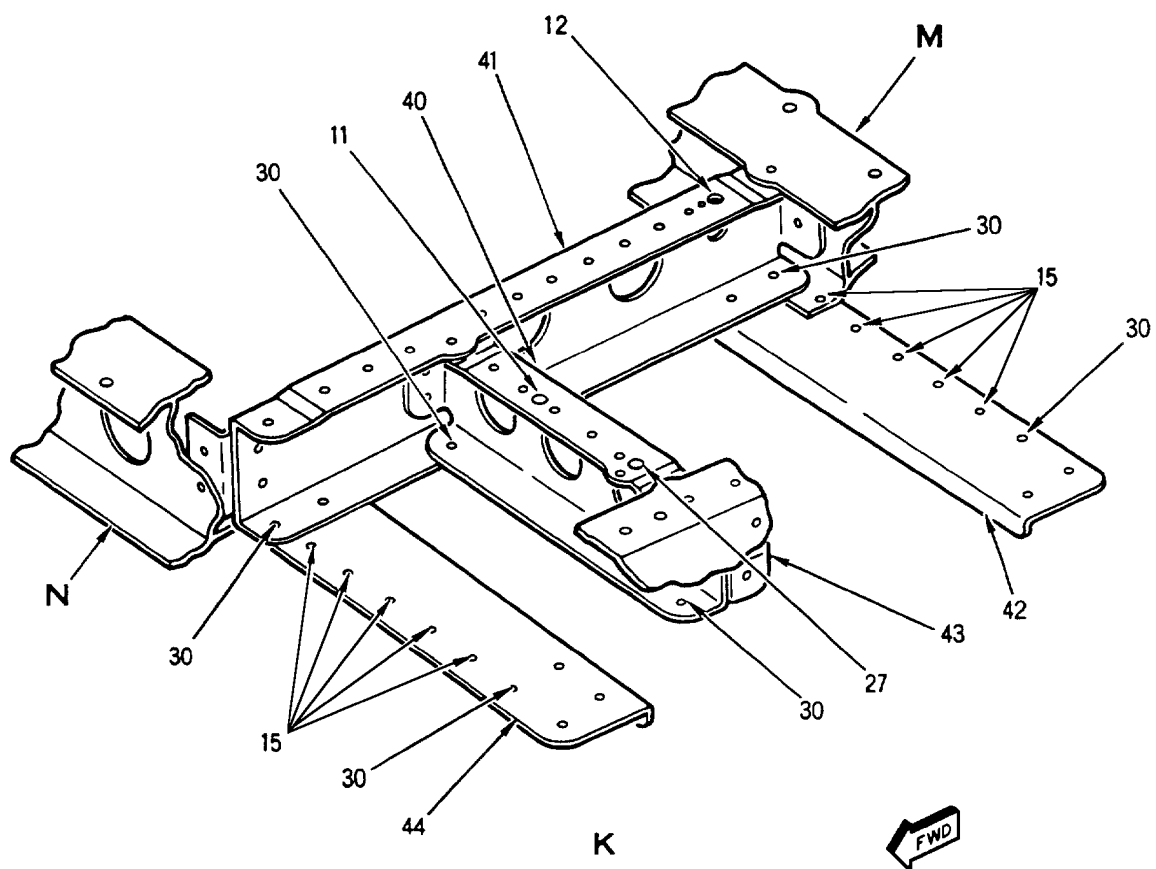


Figure 3. Center Panel Assembly (Sheet 10)

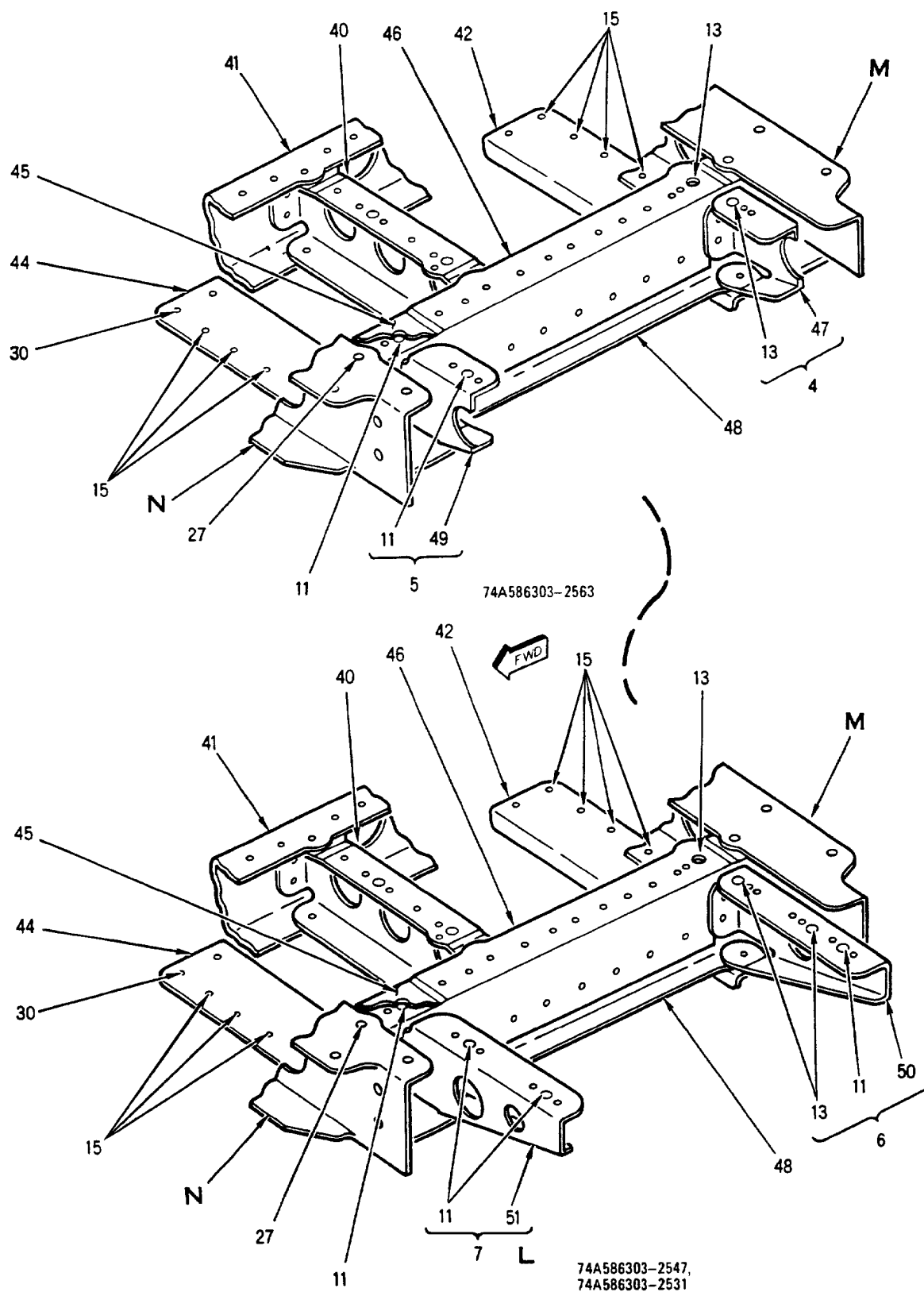


Figure 3. Center Panel Assembly (Sheet 11)

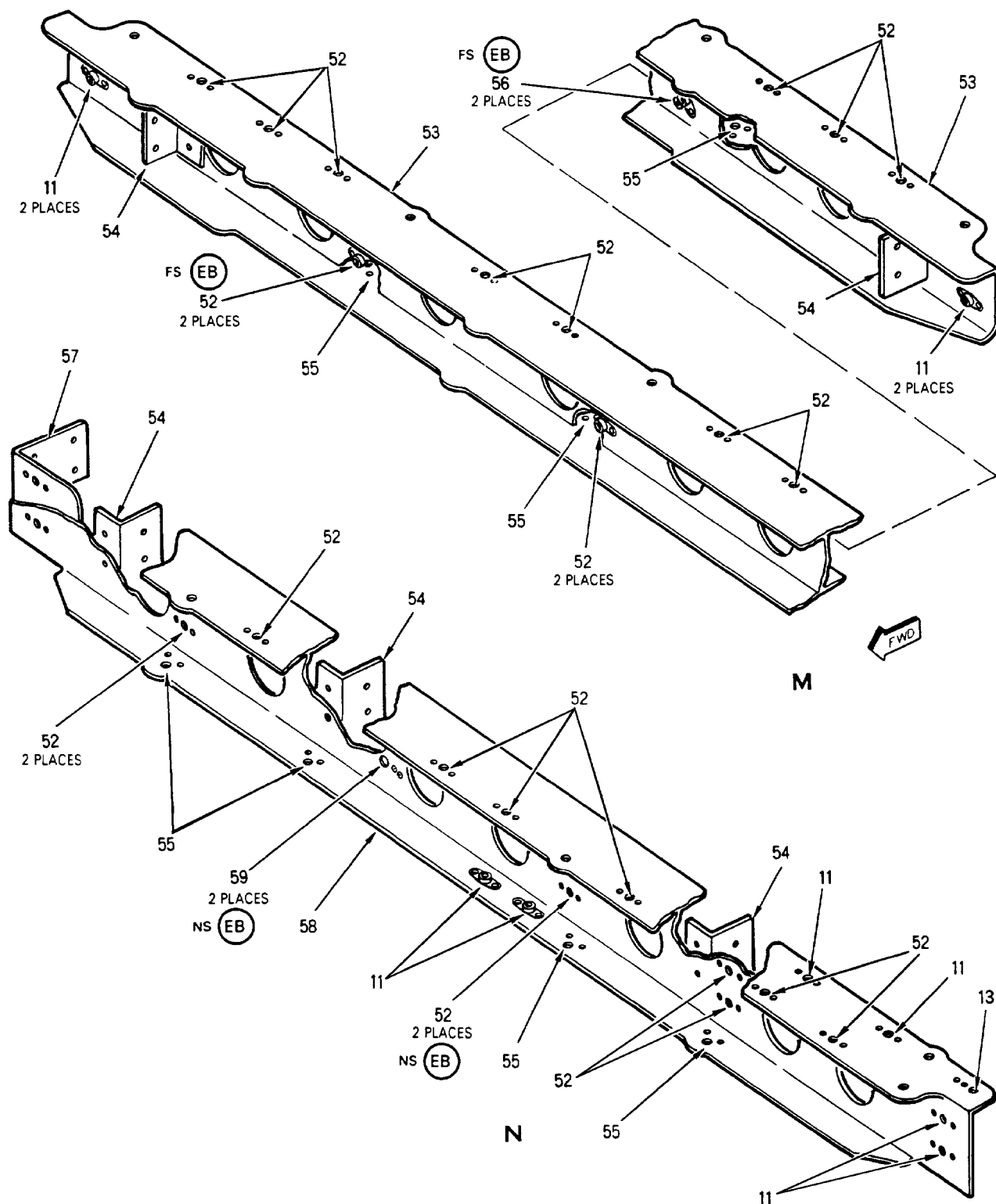


Figure 3. Center Panel Assembly (Sheet 12)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
		CENTER PANEL ASSEMBLY			
	MS20470AD5 #	. RIVET (TO BE USED TO REPLACE ALL RIVETS ... NOT INDEXED ON ILLUSTRATION OR LISTED AS (AP)	AR		-
1	74A586303-2563	. PANEL ASSEMBLY, CENTER (DOUBLE HINGE) ... (76301)	1	F	XBOOO
	74A586303-2547	. PANEL ASSEMBLY, CENTER (SINGLE HINGE) ... (76301)	1	G	XBOOO
	74A586303-2531	. PANEL ASSEMBLY, CENTER (76301)	1	H	XBOOO
2	74A586303-2553	. KNEE ASSY (76301)	1	D	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
3	74A586303-2549	. KNEE ASSY (76301)	1	D	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
4	74A586303-2550	. KNEE ASSY (76301)	1	A	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
5	74A586303-2554	. KNEE ASSY (76301)	1	A	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
6	74A586303-2362	. KNEE ASSY (76301)	1	E	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
7	74A586303-2461	. KNEE ASSY (76301)	1	E	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
8	74A586303-2462	. KNEE ASSY (76301)	1	C	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
9	74A586303-2361	. KNEE ASSY (76301)	1	C	XBOOO
	MS20470D5 #	. RIVET (AP)	3		-
10	74A586303-2559	. WEB (76301)	1	D	XBOOO
11	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962) ... (MCDONNELL SPEC ST3M719C3M2)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
12	74A586303-2561	. ANGLE (76301)	2	A	XBOOO
	74A586303-2561	. ANGLE (76301)	1	B	XBOOO
	MS20470AD5 #	. RIVET (AP)	6		-
13	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653) ... (MCDONNELL SPEC ST3M720C3M2)	AR	*	PAOZZ
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962) ... (MCDONNELL SPEC ST3M720C3M2)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
14	NAS1097AD5 #	. RIVET	AR		-
15	NAS1398C5A2	. RIVET	AR		PAOZZ
16	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653) ... (MCDONNELL SPEC ST3M719C3M1)	AR	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962) ... (MCDONNELL SPEC ST3M719C3M1)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
17	74A586303-2525	. BRACKET (76301)	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	AR		-
18	74A586303-2565	. WEB (76301)	1	A	XBOOO
	MS20470AD5 #	. RIVET (AP)	AR		-
19	MS20001PY4-0600	. HINGE, HALF	2	A	MGOZZ
	MS20001PY4-0600	. HINGE, HALF	1	B	MGOZZ
	MS20470AD5 #	. RIVET (AP)	6		-
20	MS20001PX4-0600	. HINGE, HALF	2	A	MGOZZ

Figure 3. Center Panel Assembly (Sheet 13)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	MS20001PX4-0600	.						HINGE, HALF	1	B	MGOZZ
	MS20470AD5 #	.						RIVET (AP)	6		-
21	MS20253P2-600	.						PIN, HINGE	2	A	PAOZZ
	MS20253P2-600	.						PIN, HINGE	1	B	PAOZZ
22	74A586303-2560	.						WEB (76301)	1	A	XBOOO
23	74A586303-2511	.						DOUBLER (76301)	1		XBOZZ
24	74A586303-2557	.						WEB (76301)	1	B	XBOOO
	MS20470AD5 #	.						RIVET (AP)	AR		-
25	74A586303-2529	.						WEB (76301)	1	C	XBOZZ
	MS20470AD5 #	.						RIVET (AP)	AR		-
26	74A586303-2555	.						KNEE (76301)	1	D	MGOZZ
27	F50403-3-2	.						NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
		.						(MCDONNELL SPEC ST3M721C3M2)			
	F12092-2-3	.						NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
		.						(MCDONNELL SPEC ST3M721C3M2)			
	NAS1097AD3 #	.						RIVET (AP)	2		-
28	74A586303-2495	.						STIFFENER (76301)	1		XBOZZ
29	74A586303-2551	.						KNEE (76301)	1	D	MGOZZ
30	NAS1398C5A3	.						RIVET	AR		PAOZZ
31	74A586303-2523	.						SHIM (76301)	AR		XBOZZ
32	74A586303-2507	.						BRACKET (76301)	1		XBOZZ
33	74A586303-2497	.						STIFFENER (76301)	1		XBOZZ
34	74A586303-2509	.						BRACKET (76301)	1		XBOZZ
35	74A586303-2464	.						KNEE (76301)	1	C	XAOZZ
36	74A586303-2435	.						KNEE (76301)	1	C	XBOZZ
37	MS20470AD5 #	.						RIVET	AR		-
38	74A586303-2515	.						STIFFENER (76301)	1		XBOZZ
39	74A586303-2505	.						STIFFENER (76301)	1		XBOZZ
40	74A586303-2487	.						SUPPORT (76301)	1		XBOZZ
41	74A586303-2489	.						STIFFENER (76301)	1		XBOZZ
42	74A586303-2486	.						SUPPORT (76301)	1		XBOZZ
43	74A586303-2513	.						CLIP (76301)	1		XBOZZ
44	74A586303-2485	.						SUPPORT (76301)	1		XBOZZ
45	74A586303-2523	.						SHIM (76301)	AR		XBOZZ
46	74A586303-2491	.						STIFFENER (76301)	1		XBOZZ
47	74A586303-2552	.						KNEE (76301)	1	A	XBOZZ
48	74A586303-2493	.						STIFFENER (76301)	1		XBOZZ
49	74A586303-2556	.						KNEE (76301)	1	A	MGOZZ
50	74A586303-2436	.						KNEE (76301)	1	C	XBOZZ
51	74A586303-2463	.						KNEE (76301)	1	C	XAOZZ
52	F50339-3-4	.						NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
		.						(MCDONNELL SPEC ST3M719C3M4)			
	F12090-4-3	.						NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
		.						(MCDONNELL SPEC ST3M719C3M4)			
	NAS1097AD3 #	.						RIVET (AP)	2		-
53	74A586303-2501	.						BEAM (76301)	1		XBOZZ
54	74A586303-2019	.						BRACKET ANGLE (76301)	5		XBOZZ
55	F50403-3-2	.						NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
		.						(MCDONNELL SPEC ST3M721C3M2)			
	F12092-2-3	.						NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
		.						(MCDONNELL SPEC ST3M721C3M2)			
	NAS1097AD3 #	.						RIVET (AP)	2		-
56	F50403-3-4	.						NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
		.						(MCDONNELL SPEC ST3M721C3M4)			

Figure 3. Center Panel Assembly (Sheet 14)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	F12092-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M721C3M4)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
57	74A586303-2499	. CLIP (76301)	1		XBOZZ
58	74A586303-2503	. BEAM (76301)	1		XBOZZ
59	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-

* ALTERNATE OR EQUIVALENT
PARTS.(WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

CODE	USABLE ON	MODEL
A	PN 74A586303-2563	
B	PN 74A586303-2547	
C	PN 74A586303-2531	
D	PN 74A586303-2547 & 74A586303-2563	
E	PN 74A586303-2531 & 74A586303-2547	
F	PN 74A586303-1011 (DOUBLE HINGE)	
G	PN 74A586303-1011 (SINGLE HINGE)	
H	PN 74A586303-1007 (NO HINGE)	

Figure 3. Center Panel Assembly (Sheet 15)

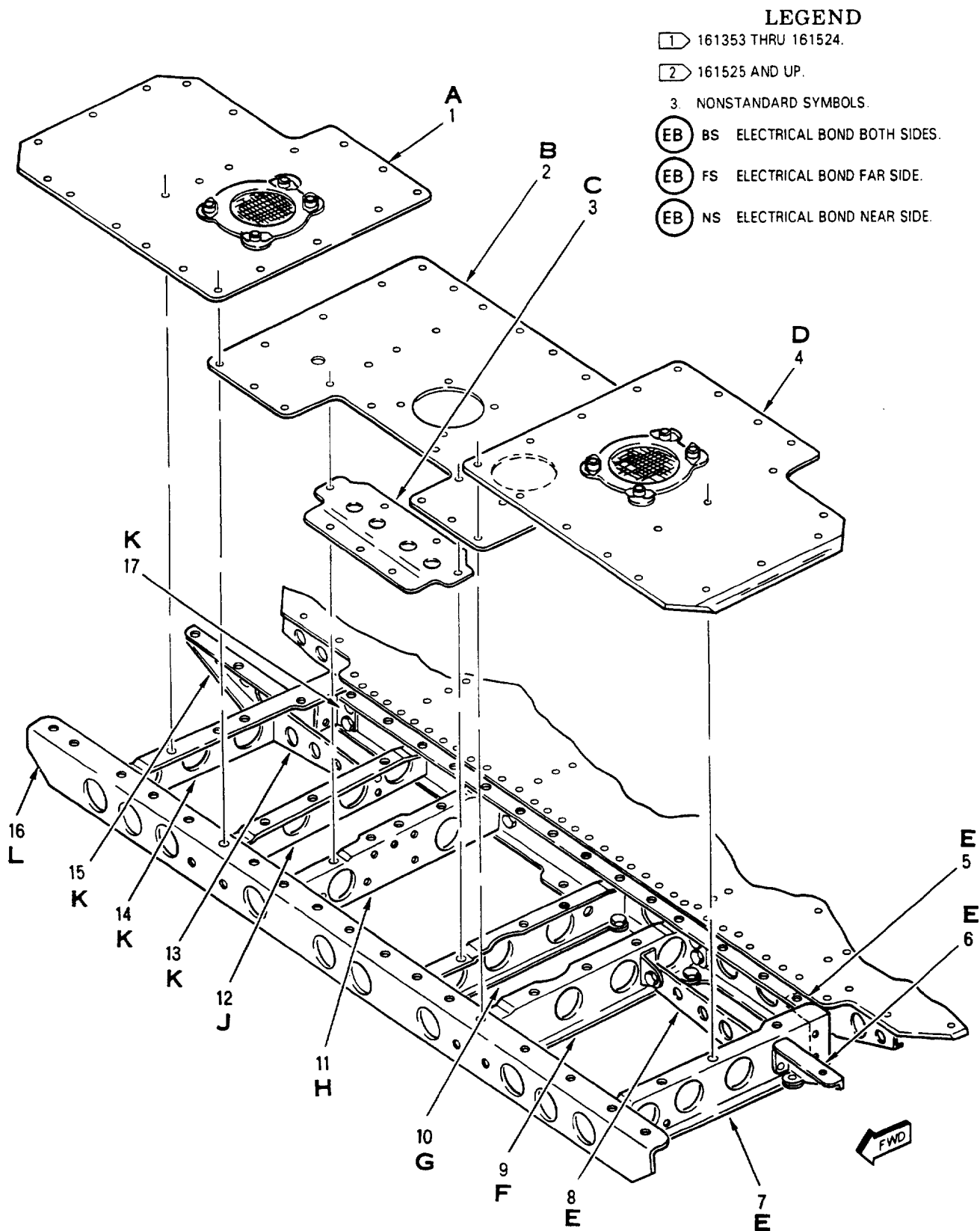


Figure 4. Forward Panel Assembly (Sheet 1)

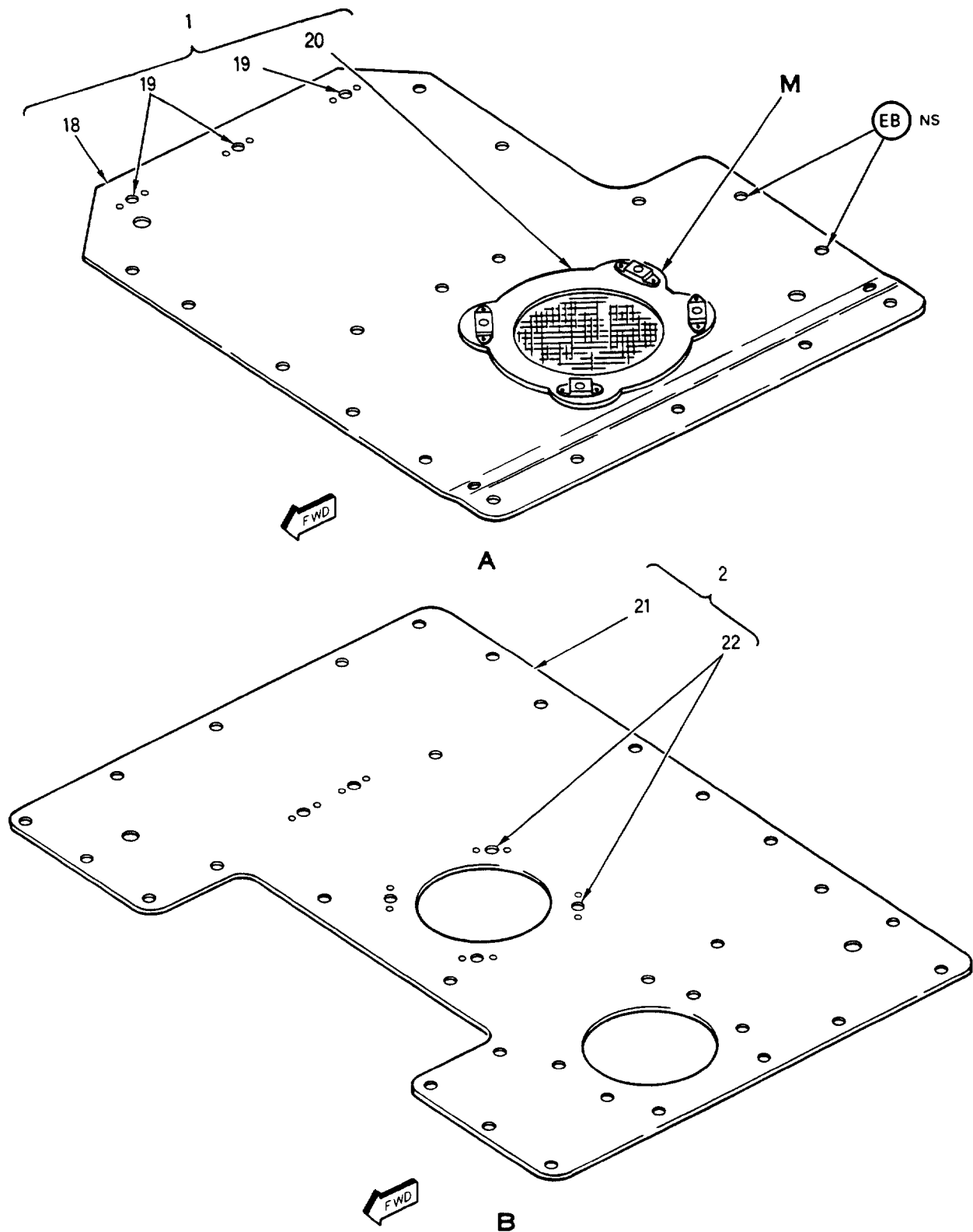


Figure 4. Forward Panel Assembly (Sheet 2)

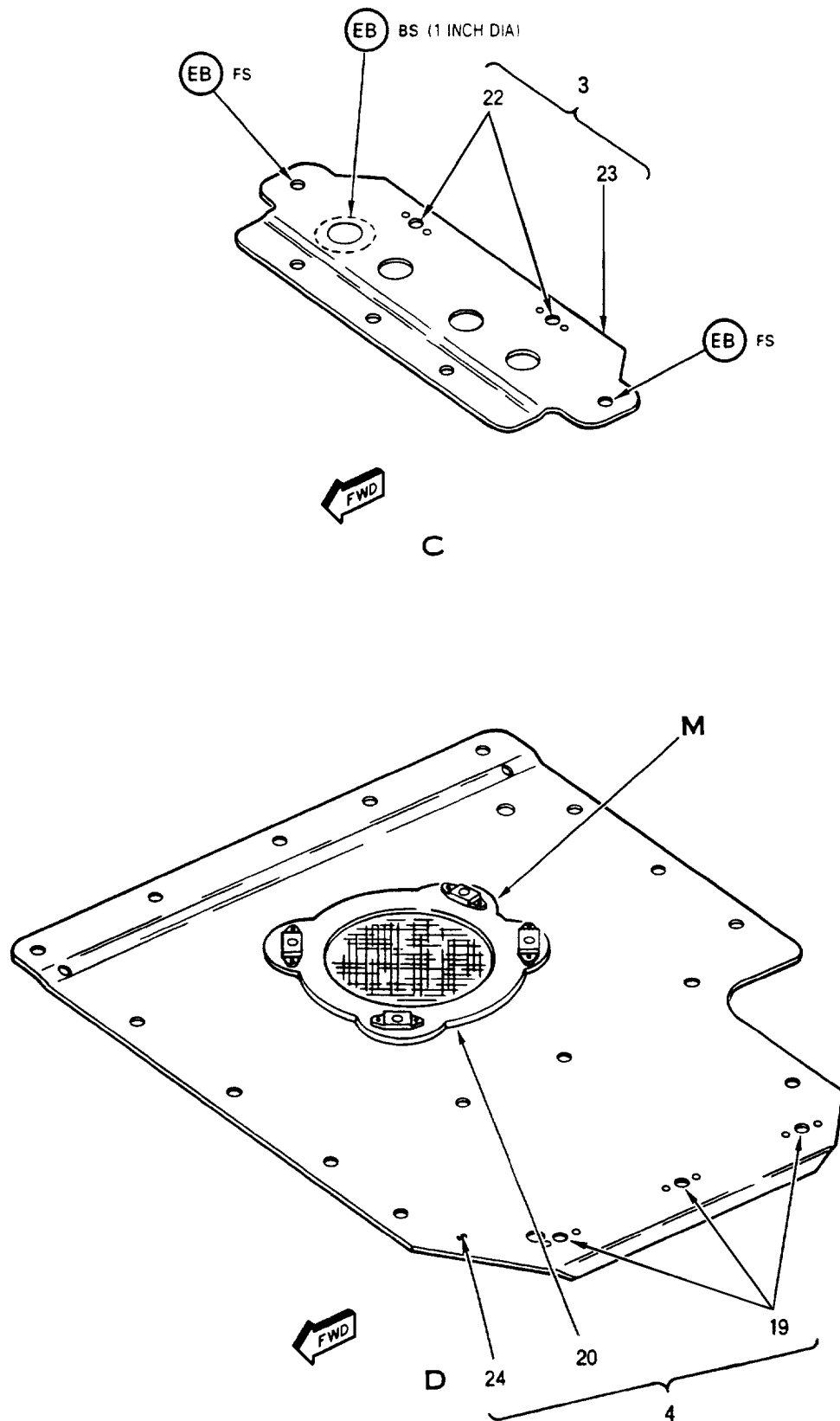


Figure 4. Forward Panel Assembly (Sheet 3)

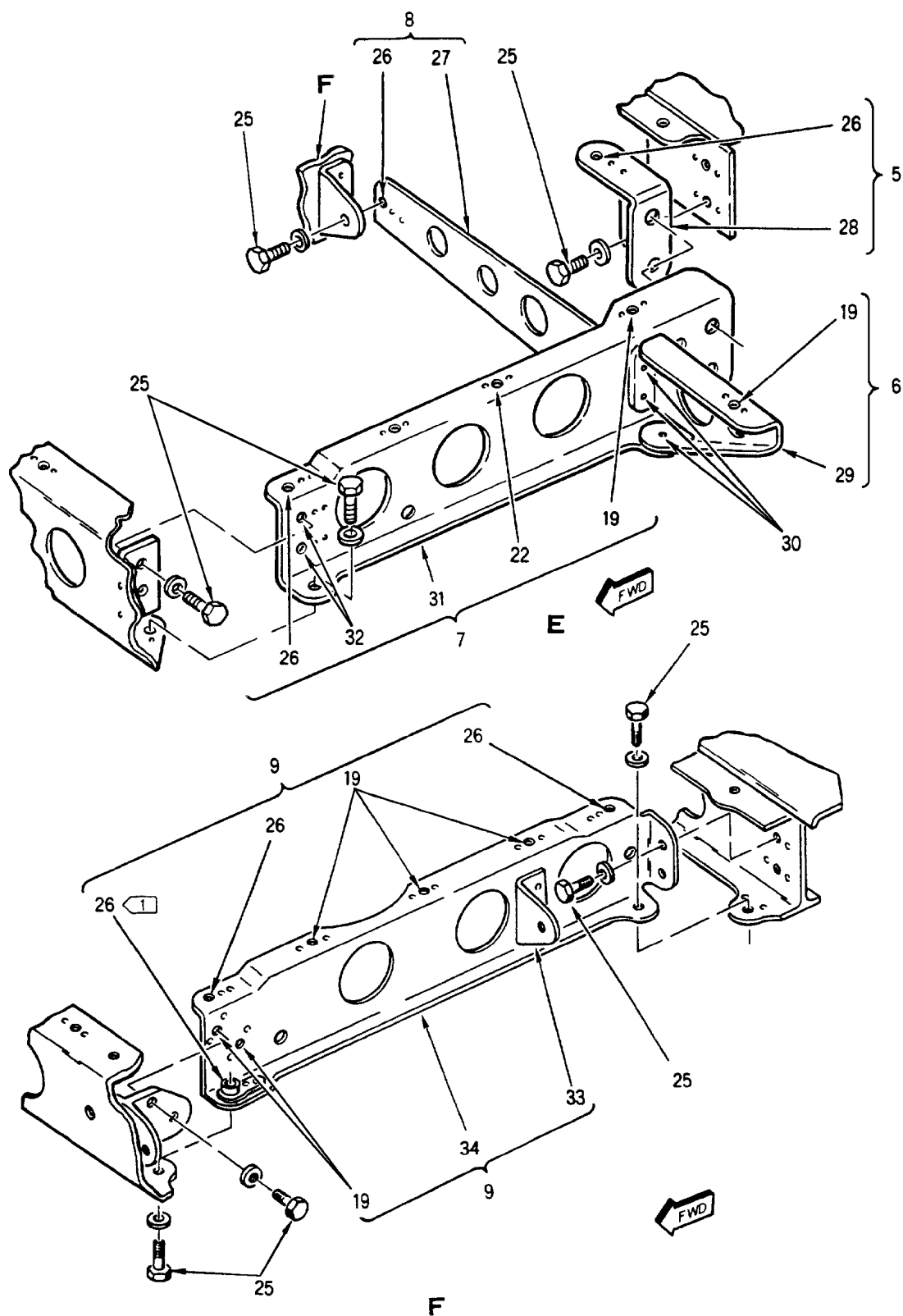


Figure 4. Forward Panel Assembly (Sheet 4)

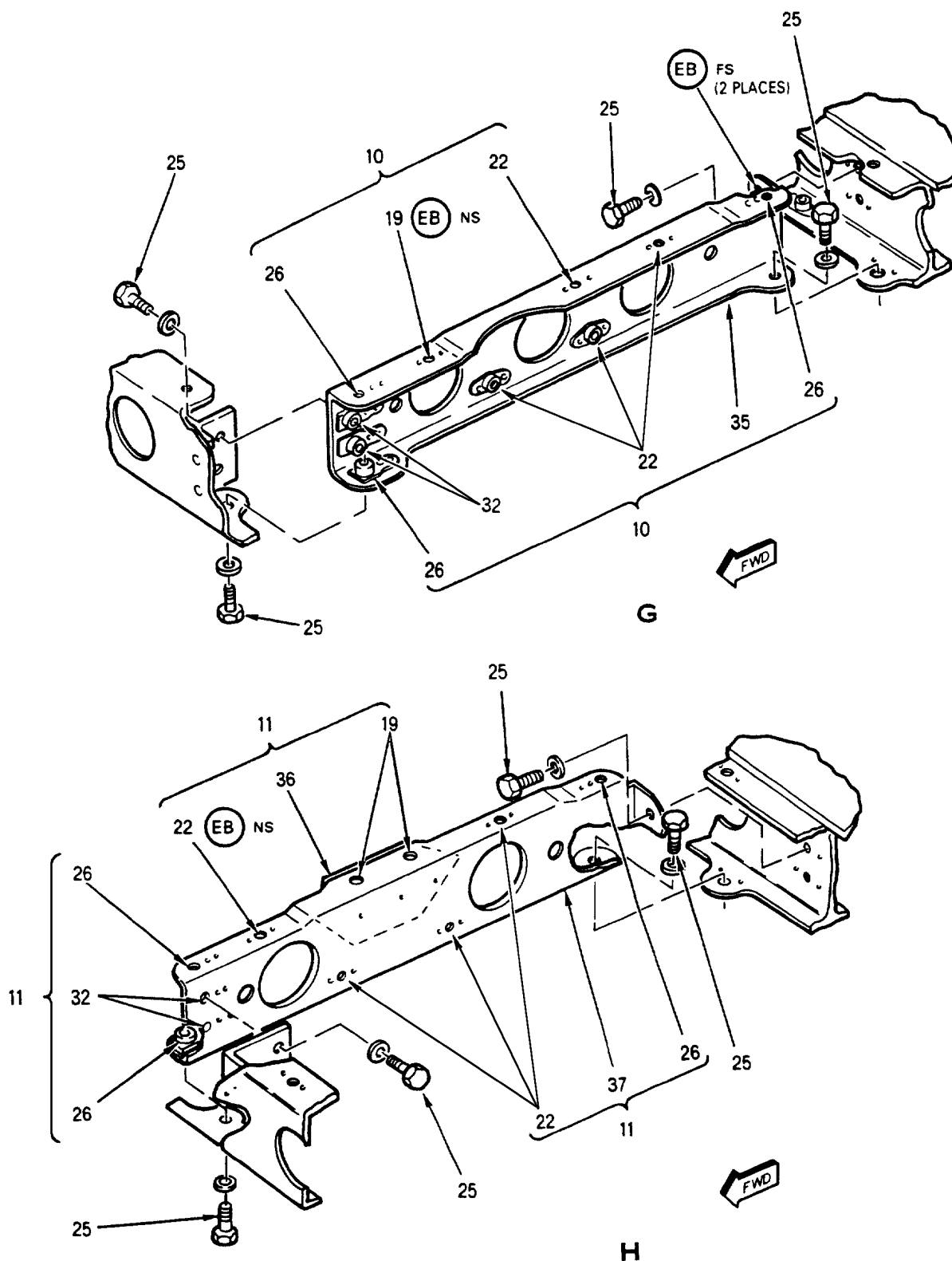


Figure 4. Forward Panel Assembly (Sheet 5)

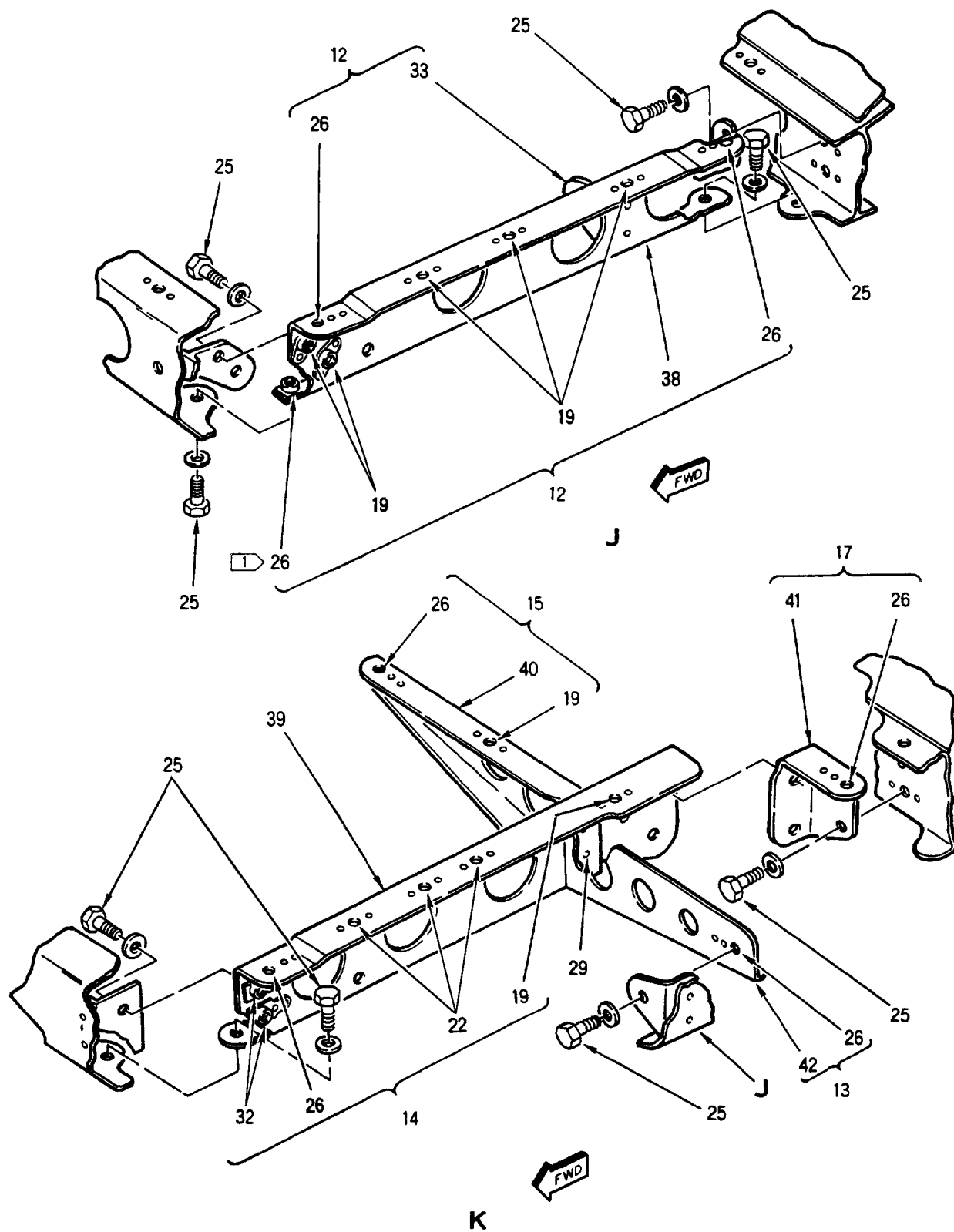


Figure 4. Forward Panel Assembly (Sheet 6)

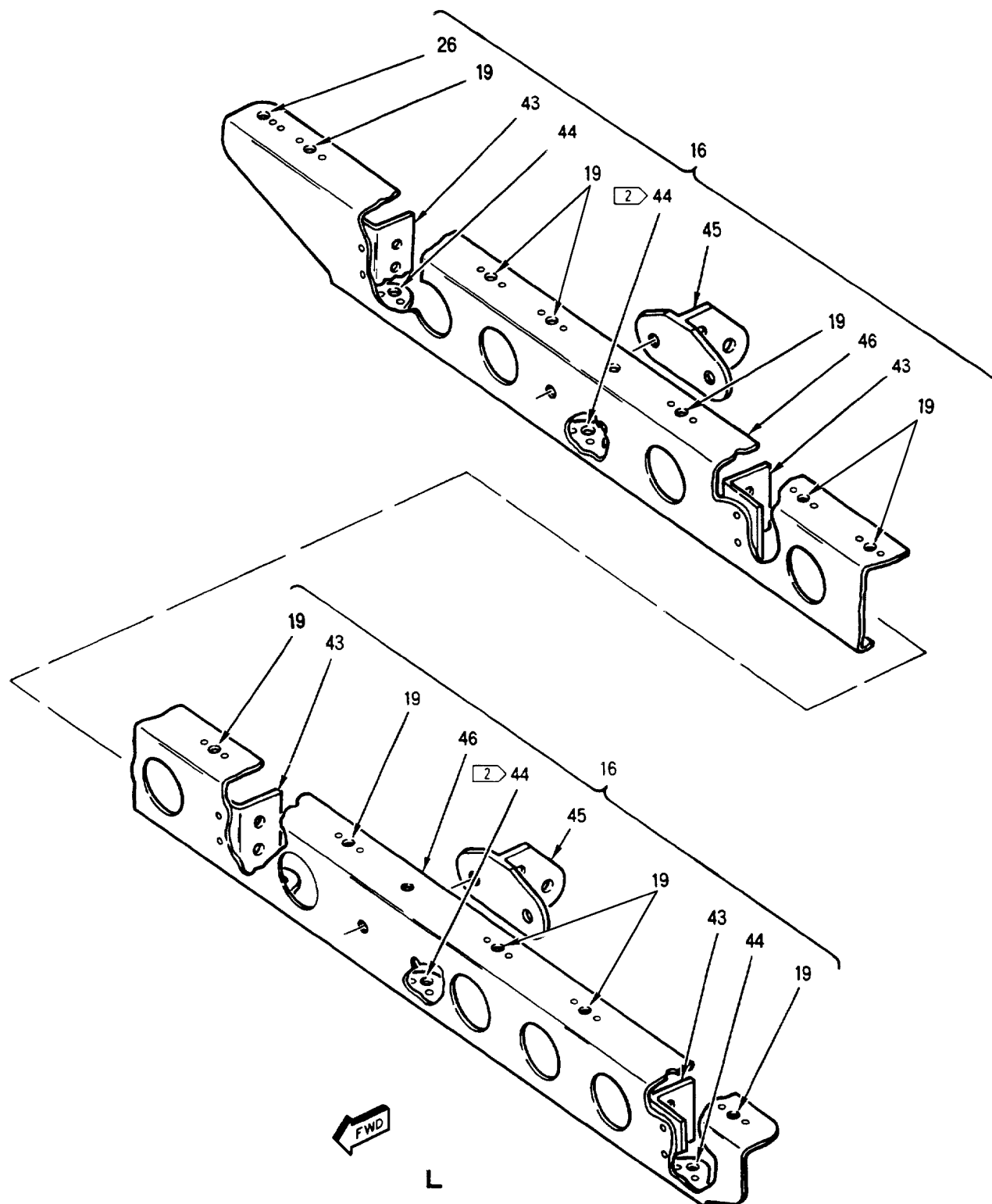
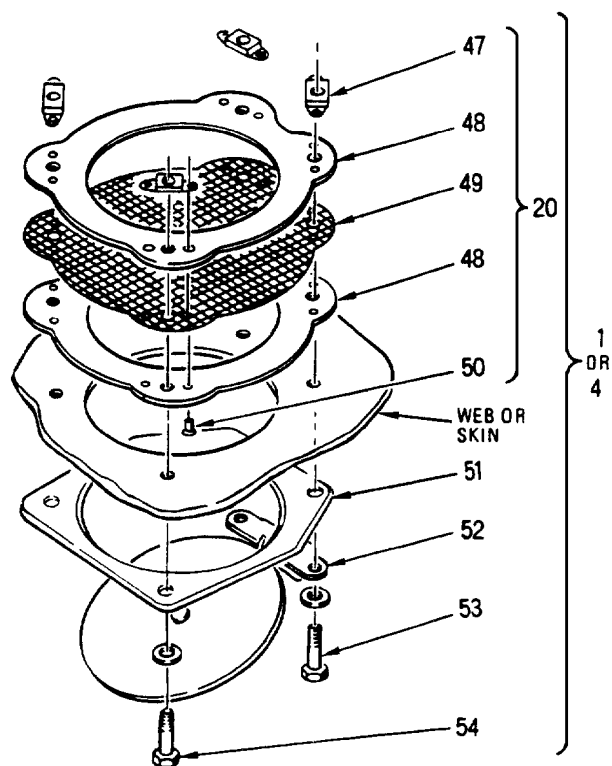


Figure 4. Forward Panel Assembly (Sheet 7)



M

Figure 4. Forward Panel Assembly (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		FORWARD PANEL ASSEMBLY			
1	74A586303-2339	. WEB ASSY (76301)	1		XBOOO
2	74A586303-2535	. SKIN ASSY (76301)	1		XBOOO
3	74A586303-2077	. PLATE ASSY (76301)	1		XBOOO
4	74A586303-2343	. WEB ASSY (76301)	1		XBOOO
5	74A586208-1002	. BRACKET, BAFFLE (76301)	1		XBOOO
6	74A586303-2427	. KNEE ASSY (76301)	1		XBOOO
7	74A586303-2040	. BRACKET, DOUBLE ANGLE (76301)	1		XBOOO
8	74A586303-2425	. SUPPORT ASSY (76301)	1		XBOOO
9	74A586303-2467	. ZEE ASSY (76301)	1	A	XBOOO
	74A586303-2569	. ZEE ASSY (76301)	1	B	XBOOO
10	74A586303-2079	. CHANNEL ASSY (76301)	1		XBOOO
11	74A586303-2043	. CHANNEL ASSY (76301)	1		AOOOO
12	74A586303-2041	. BRACKET, DOUBLE ANGLE (76301)	1	A	XBOOO
	74A586303-2567	. BRACKET, DOUBLE ANGLE (76301)	1	B	XBOOO
13	74A586303-2423	. SUPPORT ASSY (76301)	1		XBOOO
14	74A586303-2039	. BRACKET, DOUBLE ANGLE (76301)	1		XBOOO
15	74A586303-2381	. KNEE ASSY (76301)	1		XBOOO
16	74A586303-2317	. BEAM ASSY (76301)	1	A	XBOOO
	74A586303-2571	. BEAM ASSY (76301)	1	B	XBOOO
17	74A586208-1001	. BRACKET, BAFFLE (76301)	1		XBOOO
18	74A586303-2337	. WEB (76301)	1		XBOZZ
19	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M2)			
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M2)			
	NAS1097AD3 #	. RIVET (AP)	2		-
20	74A586204-2185	. SCREEN ASSY (76301)	1		XBOOO
21	74A586303-2541	. SKIN (76301)	1		XBOZZ
22	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M4)			
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M4)			
	NAS1097AD3 #	. RIVET (AP)	2		-
23	74A586303-2177	. PLATE (76301)	1		XBOZZ
24	74A586303-2341	. WEB (76301)	1		XBOZZ
25	NAS673V4	. BOLT	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
26	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653)	AR	A*	PAOZZ
		(MCDONNELL SPEC ST3M720C3M2)			
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962)	AR	A*	PAOZZ
		(MCDONNELL SPEC ST3M720C3M2)			
	NAS1097AD3 #	. RIVET (AP)	2		-
27	74A586303-2409	. SUPPORT (76301)	1		XBOZZ
28	74A586208-2002	. BRACKET (76301)	1		XBOZZ
29	74A586303-2433	. KNEE (76301)	1		XBOZZ
30	MS20470AD5 #	. RIVET	AR		-
31	74A586303-2140	. BRACKET, DOUBLE ANGLE (76301)	1		XBOZZ
32	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
		(MCDONNELL, SPEC ST3M720C3M4)			
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
		(MCDONNELL SPEC ST3M720C3M4)			
	NAS1097AD3 #	. RIVET (AP)	2		-

Figure 4. Forward Panel Assembly (Sheet 9)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
33	74A586303-2417	.	BRACKET, ANGLE (76301)	.....					2		XBOZZ
	MS20470AD5 #	.	RIVET (AP)	.....					2		-
34	74A586303-2469	.	TEE (76301)	.....					1		XBOZZ
35	74A586303-2179	.	CHANNEL (76301)	.....					1		XBOZZ
36	74A586303-2081	.	PLATE, STRUCTURAL (76301)	.....					1		XBOZZ
37	74A586303-2143	.	CHANNEL (76301)	.....					1		XBOZZ
38	74A586303-2141	.	BRACKET, DOUBLE ANGLE (76301)	.....					1		XBOZZ
39	74A586303-2139	.	BRACKET, DOUBLE ANGLE (76301)	.....					1		XBOZZ
40	74A586303-2475	.	KNEE (76301)	.....					1		XBOZZ
41	74A586208-2001	.	BRACKET (76301)	.....					1		XBOZZ
42	74A586303-2413	.	SUPPORT (76301)	.....					1		XBOZZ
43	74A586303-2020	.	BRACKET, ANGLE (76301)	.....					4		XBOZZ
44	F50403-3-2	.	NUT, SELF-LOCKING, PLATE (15653)	.....					2	B*	PAOZZ
			(MCDONNELL SPEC ST3M721C3M2)								
	F12092-2-3	.	NUT, SELF-LOCKING, PLATE (72962)	.....					2	B*	PAOZZ
			(MCDONNELL SPEC ST3M721C3M2)								
	NAS1097AD3 #	.	RIVET (AP)	.....					2		-
45	74A586303-2067	.	BRACKET (76301)	.....					2		XBOZZ
46	74A586303-2431	.	BEAM (76301)	.....					1		XAOZZ
47	MS21060L06	.	NUT	.....					4		PAOZZ
48	74A586204-2187	.	PLATE, RETAINER SCREEN (76301)	.....					2		MGOZZ
49	74A586204-2189	.	SCREEN MESH (76301)	.....					1		MGOZZ
50	MS20426AD3 #	.	RIVET	.....					8		-
51	74A586286-2001	.	SEAL PLATE (76301)	.....					1		XBOZZ
52	55-6003	.	VALVE, CHECK, FUEL SYSTEM, GRAVITY	.....					1		PAOZZ
			FEED (96736) (MCDONNELL SPEC								
			74J588006-107)								
53	NA51802-06-9	.	SCREW	.....					2		PAOZZ
	AN960JD6L	.	WASHER (AP)	.....					2		PAOZZ
54	NAS1802-06-9	.	SCREW	.....					2		PAOZZ
	AN960JD6L	.	WASHER (AP)	.....					2		PAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

CODE	USABLE ON	MODEL
A	161353 THRU 161359 AND 161364 THRU 161524	F/A-18A/B
B	161361 THRU 161363 AND 161525 & UP	F/A-18A/B

Figure 4. Forward Panel Assembly (Sheet 10)

ORGANIZATIONAL MAINTENANCE**SYSTEM MAINTENANCE WITH IPB****REPAIR - NO. 3 FUEL TANK INVERTED FLIGHT BAFFLE ASSEMBLY (5CAP517)****FUEL STORAGE SYSTEM****EFFECTIVITY: 161716 AND UP; ALSO 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18AFC 53****Reference Material**

Structural Hardware	NAVAIR 01-1A-8
Structure Repair - General Information	A1-F18AC-SRM-200
Sealant Preparation and Application	WP011 00
Aircraft Corrosion Control	A1-F18AC-SRM-500
Form in Place Sealing	WP010 00

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Mount Assembly	4
Screen Assembly	4
Stiffener Assembly	3
Support Assembly	3
Baffle Sealing - 161752 AND UP; ALSO 161353 THRU 161751 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	4
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Record of Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Tank 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

Support Equipment Required

Part Number or
Type Designation

Nomenclature

-

External Air Source
(20 to 40) psi

Materials Required

Specification
or Part Number

Nomenclature

CCC-C-440, Type I,
Class I
(CAGE 81348)

Cheesecloth

TT-I-735
(CAGE 81348)

Isopropyl Alcohol

1. GENERAL.

a. For rivet and plate nut removal and installation, refer to NAVAIR 01-1A-8.

2. INSPECTION.

a. Inspect and replace platenuts which are:

- (1) stripped
- (2) cross threaded

b. Inspect and replace rivets which are:

- (1) loose
- (2) missing

c. Inspect and replace retainers (11, 14, 15 or 17, figure 1) which are:

- (1) bent
- (2) damaged

d. Inspect and replace panels or web assemblies (figures 2, 3 or 4) which are:

- (1) cracked
- (2) bent
- (3) damaged

e. Inspect and replace mount (paragraph 6) or supports (paragraph 5) which are:

- (1) cracked
- (2) bent
- (3) damaged

f. Inspect and replace stiffener (paragraph 4) if:

- (1) cracked
- (2) bent
- (3) damaged

g. Inspect and replace brackets (paragraph 7) which are:

- (1) cracked
- (2) bent
- (3) damaged

h. Inspect and replace screen assemblies (paragraph 9) which are:

- (1) torn
- (2) dented
- (3) damaged

i. Inspect and replace check valves (paragraph 8) which are:

- (1) damaged
- (2) improperly seated
- (3) binding

j. Inspect entire baffle assembly for:

- (1) burrs
- (2) sharp edges that could damage tank
- (3) cleanliness
- (4) corrosion

3. DISASSEMBLY.

a. Disassemble parts only enough to replace defective parts. Identify and tag all components to aid in reassembly.

4. STIFFENER ASSEMBLY.

a. Disassemble stiffener (1 or 2, figure 5) as required to repair or replace defective part.

5. SUPPORT ASSEMBLY.

a. Disassemble supports (3, 4, or 5, figure 5) as required to repair or replace defective part.

6. MOUNT ASSEMBLY.

a. Disassemble mount (22, figure 5) as required to repair or replace defective part.

7. BRACKET ASSEMBLY.

a. Disassemble bracket (6, 16, 18, 19, or 20, figure 1) as required to repair or replace defective part.

8. CHECK VALVE.

a. Remove applicable check valve per substeps below:

(1) Remove check valve (24, figure 3), plate (25), adapter (26) and attaching parts.

(2) Remove check valve (43, figure 3) and attaching parts.

(3) Remove check valve (4 or 7, figure 4) and attaching parts.

9. SCREEN ASSEMBLY.

a. Remove applicable screen assembly per substeps below:

(1) Remove screen assembly (42, figure 3), check valve (43) and attaching parts.

(2) Remove screen assembly (5, figure 4) with attaching parts and, if applicable, housing (6).

(3) Remove screen assembly (3, figure 4) with check valve (4) and attaching parts.

10. CLEANING.



Isopropyl Alcohol, TT-I-735

2



Failure to do the steps below may result in damage to fuel tank.

a. Clean all parts with dry, clean cloth or cheese-cloth moistened with isopropyl alcohol until free of:

- (1) grease
- (2) dirt

WARNING

To prevent injury to personnel, do not direct compressed air against skin.

b. Blow loose foreign particles from parts using dry, filtered, low pressure (20 to 40 psi) air.

11. ASSEMBLY.

12. STIFFENER ASSEMBLY.

a. Assemble repaired/replaced parts of stiffener assembly (1 or 2, figure 5).

13. SUPPORT ASSEMBLY.

a. Assemble repaired/replaced parts of channel support (3, 4, or 5, figure 5).

14. MOUNT ASSEMBLY.

a. Assemble repaired/replaced parts of mount assembly (21, figure 5).

15. BRACKET ASSEMBLY.

a. Assemble repaired/replaced parts of bracket assembly (6, 16, 18, 19, or 20, figure 1).

16. CHECK VALVE.

a. Install applicable check valve per substeps below:

(1) Prepare mating surfaces of adapter (26, figure 3) and panel (19) for electrical bond (A1-F18AC-LMM-000).

(2) Install check valve (24, figure 3), plate (25), adapter (26) and attaching parts.

(3) Install check valve (43, figure 3) and attaching parts.

(4) Install check valve (4 or 7, figure 4) and attaching parts.

17. SCREEN ASSEMBLY.

a. Install applicable screen assembly per substeps below:

(1) Install screen assembly (42, figure 3) with check valve (43) and attaching parts.

(2) Position housing (6, figure 4), if applicable, and install screen assembly (5) with attaching parts.

(3) Install screen assembly (3, figure 4) with check valve (4) and attaching parts.

18. BAFFLE SEALING - 161752 AND UP; ALSO 161353 THRU 161751 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53.

NOTE

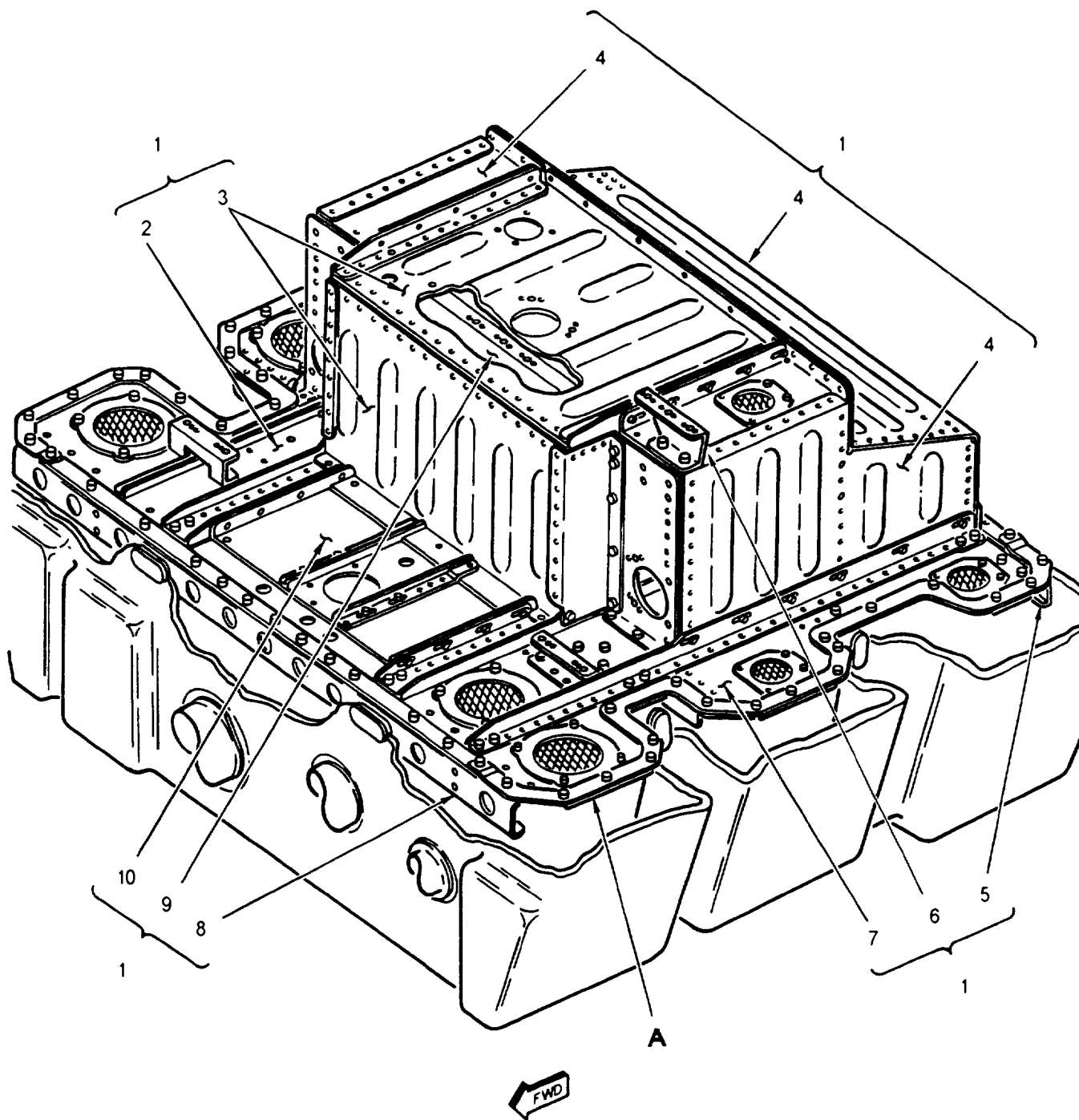
See figures 2 through 5 for location of form in place and fay seals.

a. Repair form in place seals per A1-F18AC-SRM-500, WP010 00.

b. Repair fay seals per A1-F18AC-SRM-200, WP011 00.

19. ILLUSTRATED PARTS BREAKDOWN.

20. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



24050101

Figure 1. Inverted Flight Baffle (Sheet 1)

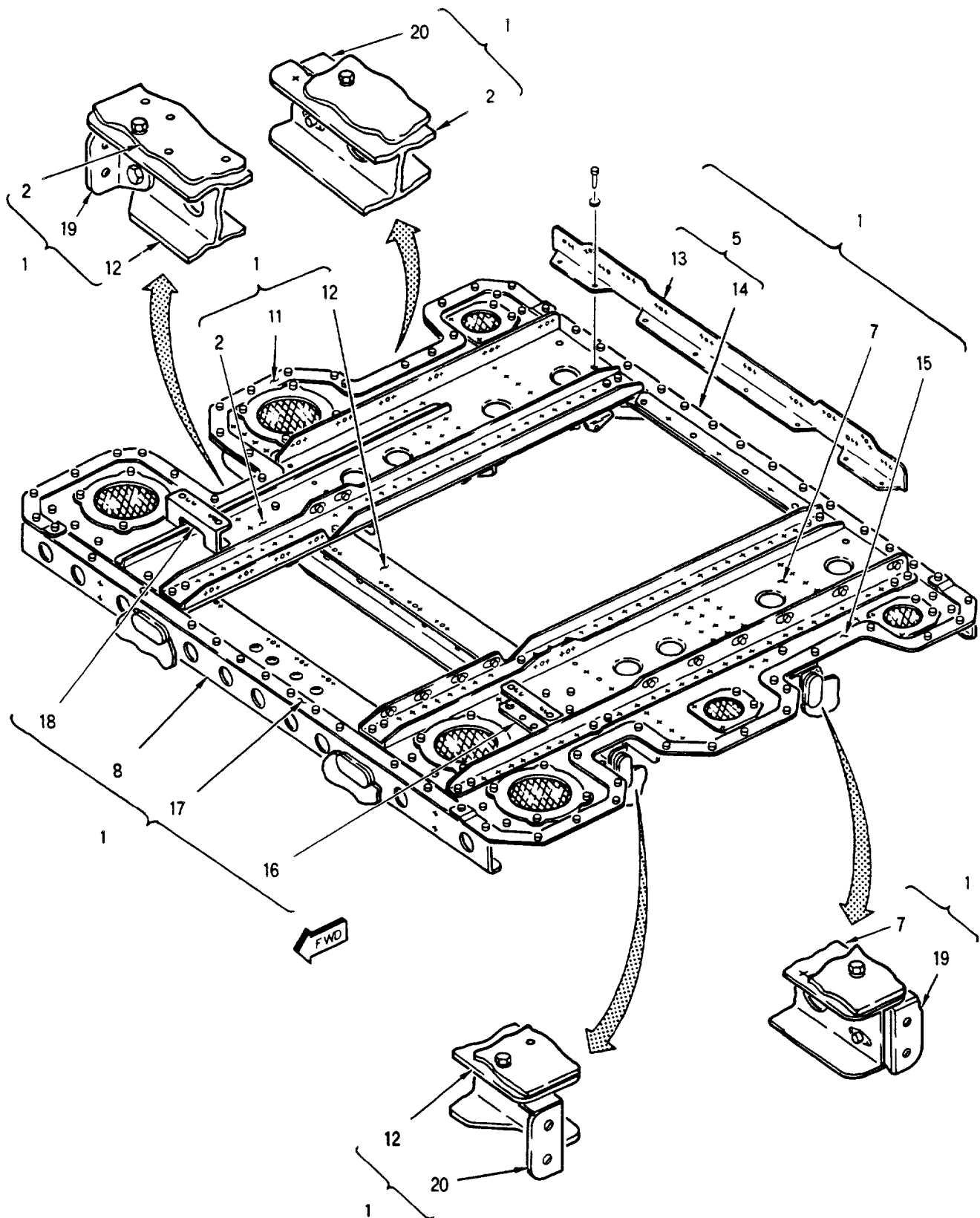


Figure 1. Inverted Flight Baffle (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
1	74A586315-1003	INVERTED FLIGHT BAFFLE BAFFLE ASSY - INVERTED FLIGHT, TANK 3, FUEL SYSTEM (76301) (SEE ASSEMBLY PROCEDURE IN THIS WORK PACKAGE) (5CAP510) (REPLACES 74A586315-1001 AND 74A586315-1005)	1	E	AOOOG
	74A586315-1005	BAFFLE ASSY - INVERTED FLIGHT, TANK 3, FUEL SYSTEM (76301) (SEE ASSEMBLY PROCEDURE IN THIS WORK PACKAGE) (5CAP510) (USE UNTIL EXHAUSTED)	1	C	AOOOG
	74A586315-1001	BAFFLE ASSY - INVERTED FLIGHT, TANK 3, FUEL SYSTEM (76301) (SEE ASSEMBLY PROCEDURE IN THIS WORK PACKAGE) (5CAP510) (USE UNTIL EXHAUSTED)	1	D	AOOOG
2	74A586315-2007	WEB ASSY, RH (76301)	1		XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
3	74A586315-2011	PANEL ASSY, CENTER (76301).	1	A	XBOOO
	74A586315-2015	PANEL ASSY, CENTER (76301).	1	B	XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
4	74A586315-2009	UPPER ASSY (76301)	1		XBOOO
	NAS674V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
5	74A586315-2003	CHANNEL ASSY, AFT (76301) (FOR REPAIR SEE FIGURE 5)	1		XBOOO
6	74A586387-1081	BRACKET ASSY (76301)	1		XBOOO
	NAS673V5	BOLT (AP)	2		PAOZZ
	AN960JD10	WASHER (AP) (UNDER BOLT TWO PLACES, UNDER BRACKET ONE PLACE)	3		PAOZZ
	F50339-3-1	NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1) (USE WITH INDEX 6)	3	*	PAOZZ
	F12090-1-3	NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1) (USE WITH INDEX 6)	3	*	PAOZZ
	NAS1097AD3 #	RIVET (AP)	2		-
	74A586387-2095	BRACKET (76301) (USE WITH INDEX 6)	1		XBOZZ
7	74A586315-2005	WEB ASSY, LH (76301)	1		XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
8	74A586315-2001	CHANNEL ASSY, FWD (76301).	1		XBOOO
9	74A586323-1007	STIFFENER (76301)	1	A	XBOOO
	74A586323-2071	CHANNEL ASSY (76301).	1	B	XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
10	74A586315-2013	PANEL ASSY, FRONT (76301) (SEE FIGURE 2 FOR REPLACEMENT)	1	F	XBOOO
	74A586315-2023	SEE ABOVE.	1	G	XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ

Figure 1. Inverted Flight Baffle (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
11	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
	74A586323-2061	.	RETAINER (76301)	.....					1		XBOZZ
	NAS1351C3-10	.	SCREW (AP)	.....					AR		PAOZZ
12	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
	74A586387-1109	.	CHANNEL ASSY, CENTER, (76301)	.....					1		XBOOO
			(SUPERSEDES 74A586387-1015 74A586387-1105)								
13	74A586387-1023	.	MOUNT ASSY (76301)	.....					1		XBOOO
14	74A586323-1015	.	CHANNEL ASSY (76301) FOR REPAIR SEE	.....					1		XBOOO
			FIG. 5								
15	NAS1351C3-10	.	SCREW (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
	74A586323-2059	.	RETAINER (76301)	.....					1		XBOZZ
16	NAS1351C3-10	.	SCREW (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
	74A586387-1121	.	BRACKET ASSY (76301) (SUPERSEDES	.....					1		XBOOO
			74A586387-1069)								
	NAS673V5	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
	MS21062L3	.	NUT, PLATE (USE WITH INDEX 16)	.....					2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
	74A586387-2159	.	SUPPORT (76301) (SUPERSEDES	.....					1		XBOZZ
			74A586387-2085)								
17	74A586323-2037	.	RETAINER (76301)	.....					1		XBOZZ
18	NAS1351C3-10	.	SCREW (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
	74A586387-1111	.	BRACKET ASSY (76301) (SUPERSEDES	.....					1		XBOOO
			74A586387-1073)								
	NAS673V5	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
	MS21062L3	.	NUT, PLATE (USE WITH INDEX 18)	.....					2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
	74A586387-2141	.	CHANNEL ASSY (USE WITH INDEX 18)	.....					1		XBOZZ
			(SUPERSEDES 74A586387-2089)								
19	74A586208-1003	.	BRACKET, BAFFLE - FUEL TANK, INVERTED	....					1		XBOOO
			FLIGHT (76301) (RIGHT SIDE FWD, LEFT SIDE AFT)								
	NAS673V4	.	BOLT (AP) (THRU BEAM)	.....					2		PAOZZ
	NAS673V5	.	BOLT (AP) (THRU WEB AND BEAM)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					3		PAOZZ
	F50340-3-2	.	NUT, SELF-LOCKING, PLATE (15653)	.....					1	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M2) (USE WITH INDEX 19)								
	F12089-2-3	.	NUT, SELF-LOCKING, PLATE (72962)	.....					1	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M) (USE WITH INDEX 19)								
20	MS20426AD3 #	.	RIVET (AP)	.....					2		-
	74A586208-2006	.	BRACKET (76301) (USE WITH INDEX 19)	.....					1		XBOZZ
	74A586208-1004	.	BRACKET, BAFFLE - FUEL TANK, INVERTED	....					2		XBOOO
			FLIGHT (76301) (LEFT SIDE FWD, RIGHT SIDE AFT)								
	NAS673V4	.	BOLT (AP) (THRU BEAM)	.....					2		PAOZZ
	NAS673V5	.	BOLT (AP) (THRU WEB AND BEAM)	.....					1		PAOZZ

Figure 1. Inverted Flight Baffle (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	AN960JD10L	. WASHER (AP)	3		PAOZZ
	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M720C3M2) (USE INDEX 20)	1	*	PAOZZ
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M720C3M) (USE WITH INDEX 20)	1	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	1		-
	74A586208-2005	. BRACKET (76301) (USE WITH INDEX 20)	2		XBOZZ

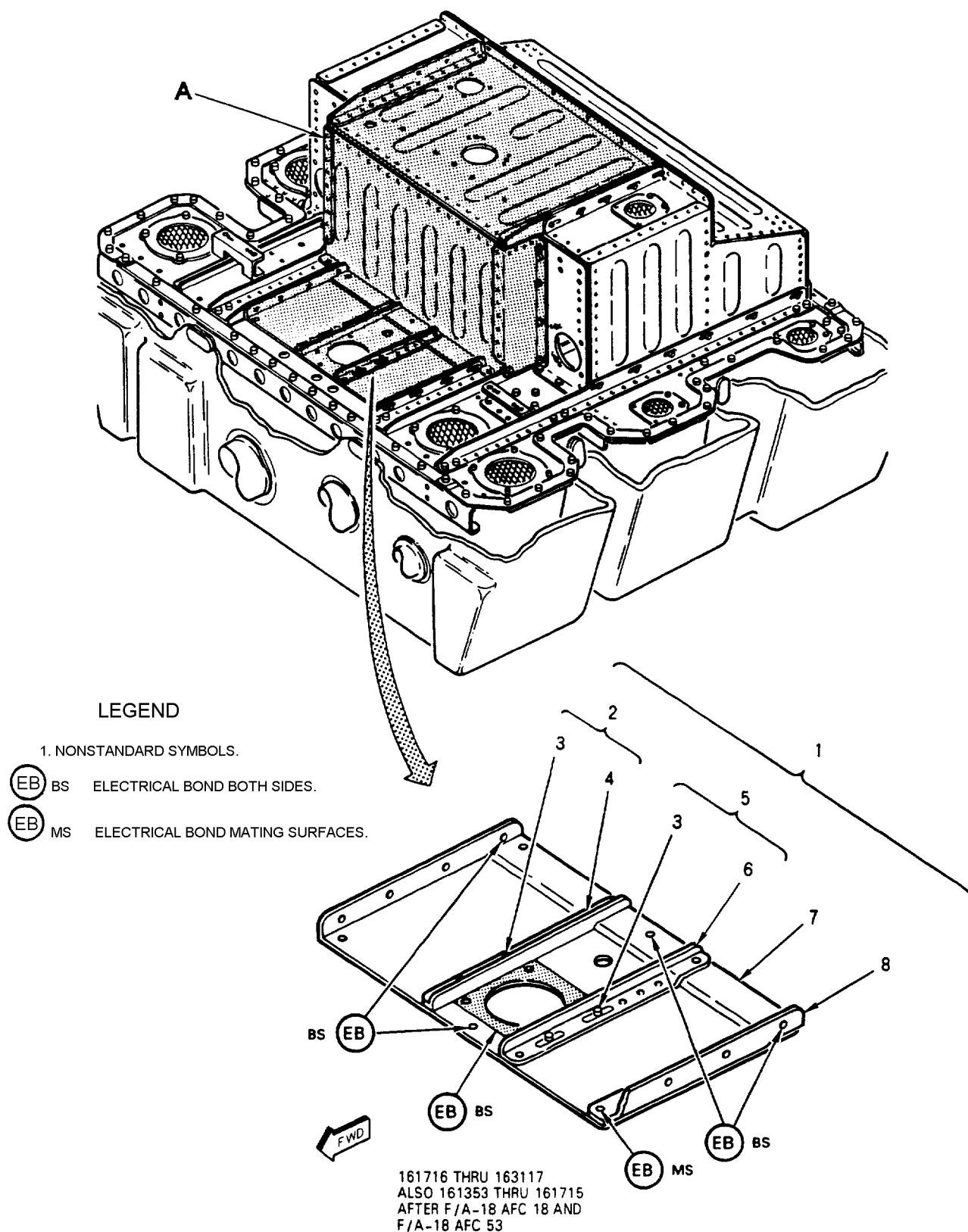
* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

CODE USABLE ON MODEL

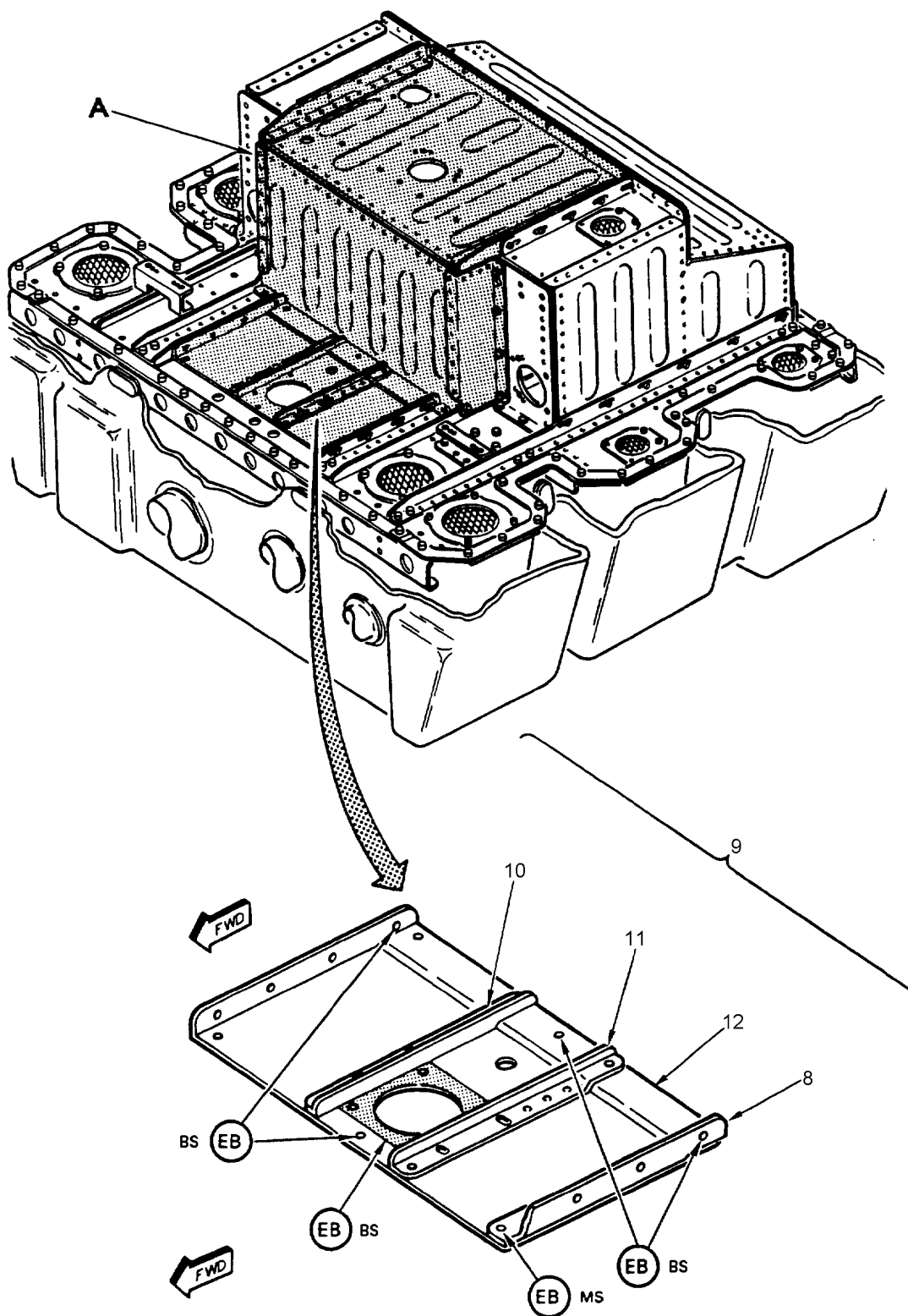
A	161716 THRU 161761 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B
B	161925 & UP; ALSO 161353 THRU 161924 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B
C	161746 THRU 161761	F/A-18A/B
D	161716 THRU 161745	F/A-18A/B
E	161716 & UP; ALSO 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B
F	161716 THRU 163117 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B
G	163118 & UP; ALSO 161353 THRU 161924 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B

Figure 1. Inverted Flight Baffle (Sheet 5)



24050201

Figure 2. Access Panels (Sheet 1)



163118 AND UP

24050202

Figure 2. Access Panels (Sheet 2)

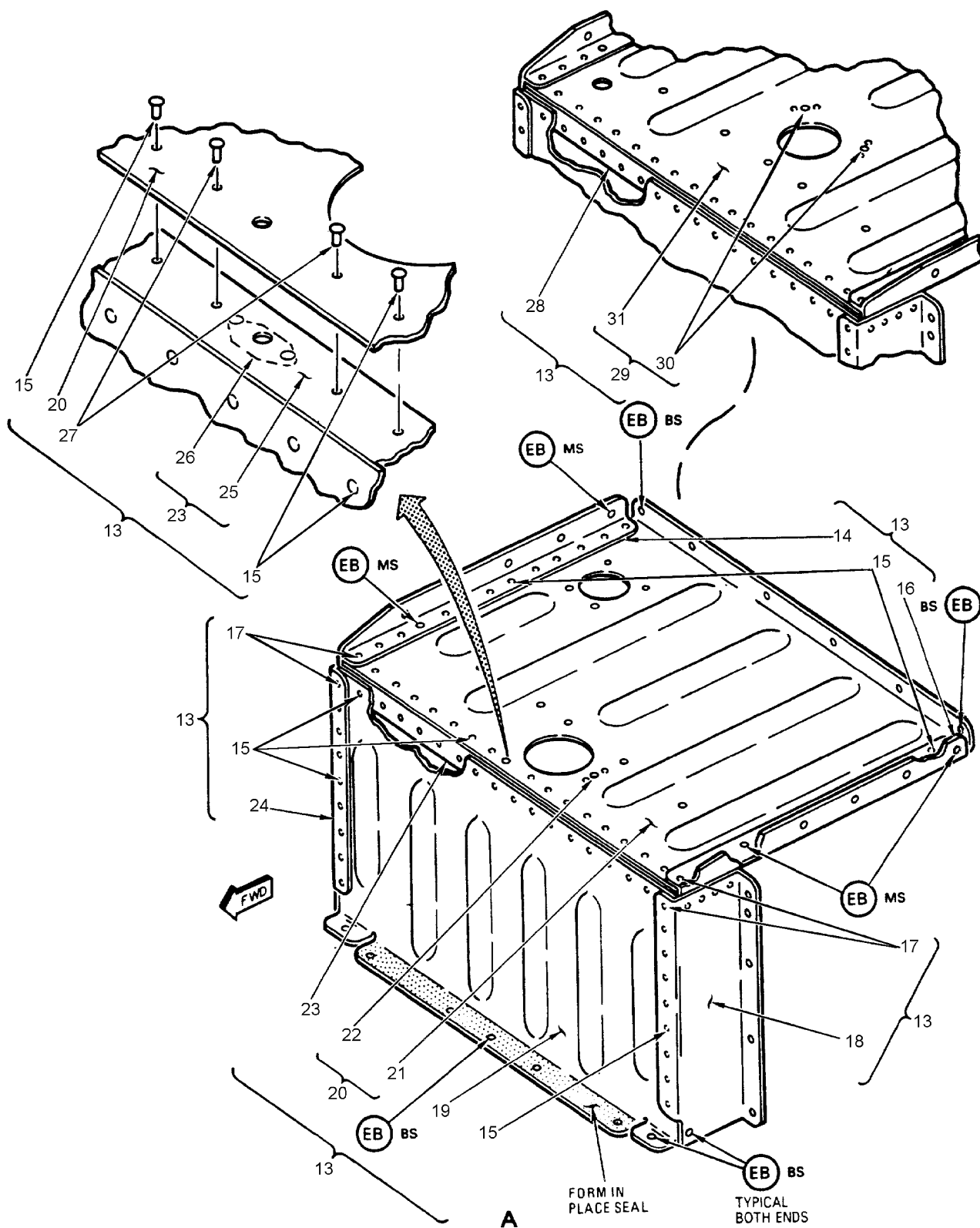


Figure 2. Access Panels (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		ACCESS PANELS			
1	74A586315-2013	. PANEL ASSY, FRONT (76301)	1	C	XBOOO
	NAS673V4	. BOLT (AP)	18	C	PAOZZ
	AN960JD10L	. WASHER (AP)	18	C	PAOZZ
2	74A586309-1024	. STIFFENER (76301)	1	C	XBOOO
	MS20470AD5 #	. RIVET (AP)	3	C	-
3	MS21060L3	. NUT, PLATE	4	C	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2	C	-
4	74A586309-3106	. STIFFENER (76301)	1	C	XBOZZ
5	74A586309-1023	. STIFFENER (76301)	1	C	XBOOO
	MS20470AD5 #	. RIVET (AP)	3	C	-
6	74A586309-3105	. STIFFENER (76301)	1		XBOZZ
7	74A586323-1025	. PANEL (76301) (SUPERSEDES	1	C	XBOOO
		74A586323-2025)			
8	74A586387-2055	. MOUNT (76301)	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	6		-
9	74A586315-2023 †	. PANEL ASSY, FRONT (76301)	1	D	XBOOO
	NAS673V4	. BOLT (AP)	18	D	PAOZZ
	AN960JD10L	. WASHER (AP)	18	D	PAOZZ
10	74A586309-3118	. STIFFENER (76301)	1	D	XBOZZ
	MS20470AD5 #	. RIVET (AP)	3	D	-
11	74A586309-3117	. STIFFENER (76301)	1	D	XBOZZ
	MS20470AD5 #	. RIVET (AP)	3	D	-
12	74A586323-2133	. PANEL (76301)	1	D	XBOZZ
13	74A586315-2011	. PANEL ASSY, CENTER (76301)	1	A	XBOOO
	74A586315-2015	. PANEL ASSY, CENTER (76301)	1	B	XBOOO
	NAS673V4	. BOLT (AP)	41		PAOZZ
	AN960JD10L	. WASHER (AP)	41		PAOZZ
14	74A586387-2059	. SUPPORT PANEL (76301)	1		XBOZZ
15	MS20470AD5 #	. RIVET (AP)	AR		-
16	74A586387-2060	. SUPPORT MOUNT (76301)	1		XBOZZ
17	MS20470DD6 #	. RIVET	4		-
18	74A586323-2043	. PANEL, SIDE (76301) (LEFT SIDE ONLY)	1		XBOZZ
19	74A586323-2035	. PANEL, FRONT (76301)	1		XBOZZ
20	74A586323-1037	. PANEL ASSY, TOP (76301) (SUPERSEDES	1	B	XBOOO
		74A586323-1031)			
21	74A586323-2085	. PANEL, TOP (76301)	1	B	XBOZZ
22	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653)	2	B*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M1)			
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962)	2	B*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M1)			
	NAS1097AD3 #	. RIVET (AP)	2	B	-
23	74A586387-1093	. ANGLE ASSY (76301)	1	B	XBOOO
24	74A586323-2044	. PANEL, SIDE (76301) (RIGHT SIDE ONLY)	1		XBOZZ
25	74A586387-2115	. ANGLE (76301)	1	B	XBOZZ
26	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653)	1	B*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M1)			
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962)	1	B*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M1)			
	NAS1097AD3 #	. RIVET (AP)	2	B	-
27	MS20426AD5 #	. RIVET	2	B	-
28	74A586387-2071	. CORNER (76301) (ANGLE)	1	A	XBOZZ
29	74A586323-1001	. PANEL ASSY, TOP (76301)	1	A	XBOOO

Figure 2. Access Panels (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
30	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M1)	2	A*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M1)	2	A*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2	A	-
31	74A586323-2001	. PANEL, TOP (76301).....	1	A	XBOZZ

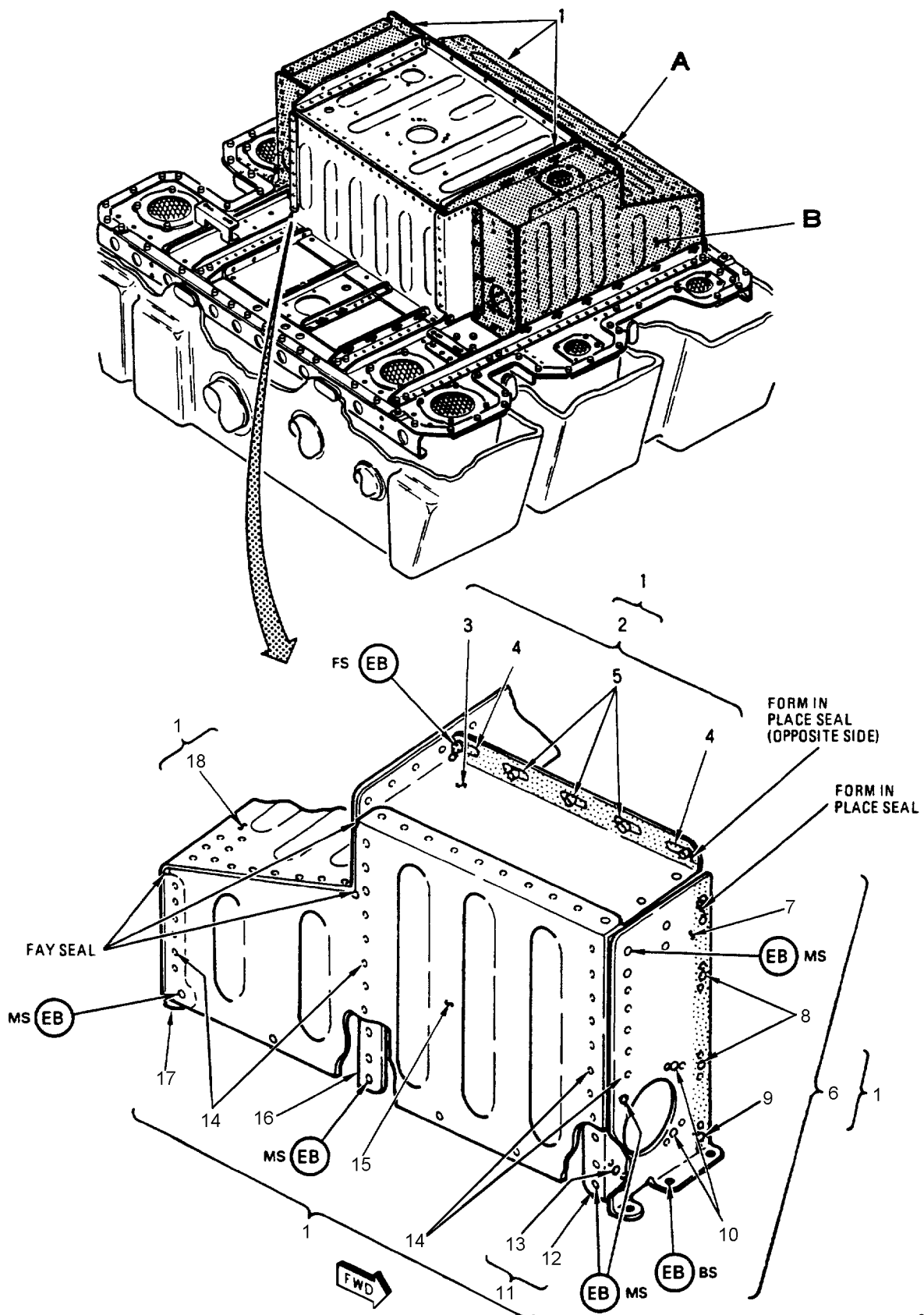
* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

† THIS PART MUST BE USED WITH 74A586327-1025 FOR ASSEMBLY, SEE WP024 02 OR WP024 06.

CODE	USABLE ON	MODEL
A	161716 THRU 161761 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B
B	161924 & UP; ALSO 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B
C	161716 THRU 163117; ALSO 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	F/A-18A/B
D	163118 & UP	F/A-18A/B

Figure 2. Access Panels (Sheet 5)



24050301

Figure 3. Upper Panel Assembly (Sheet 1)

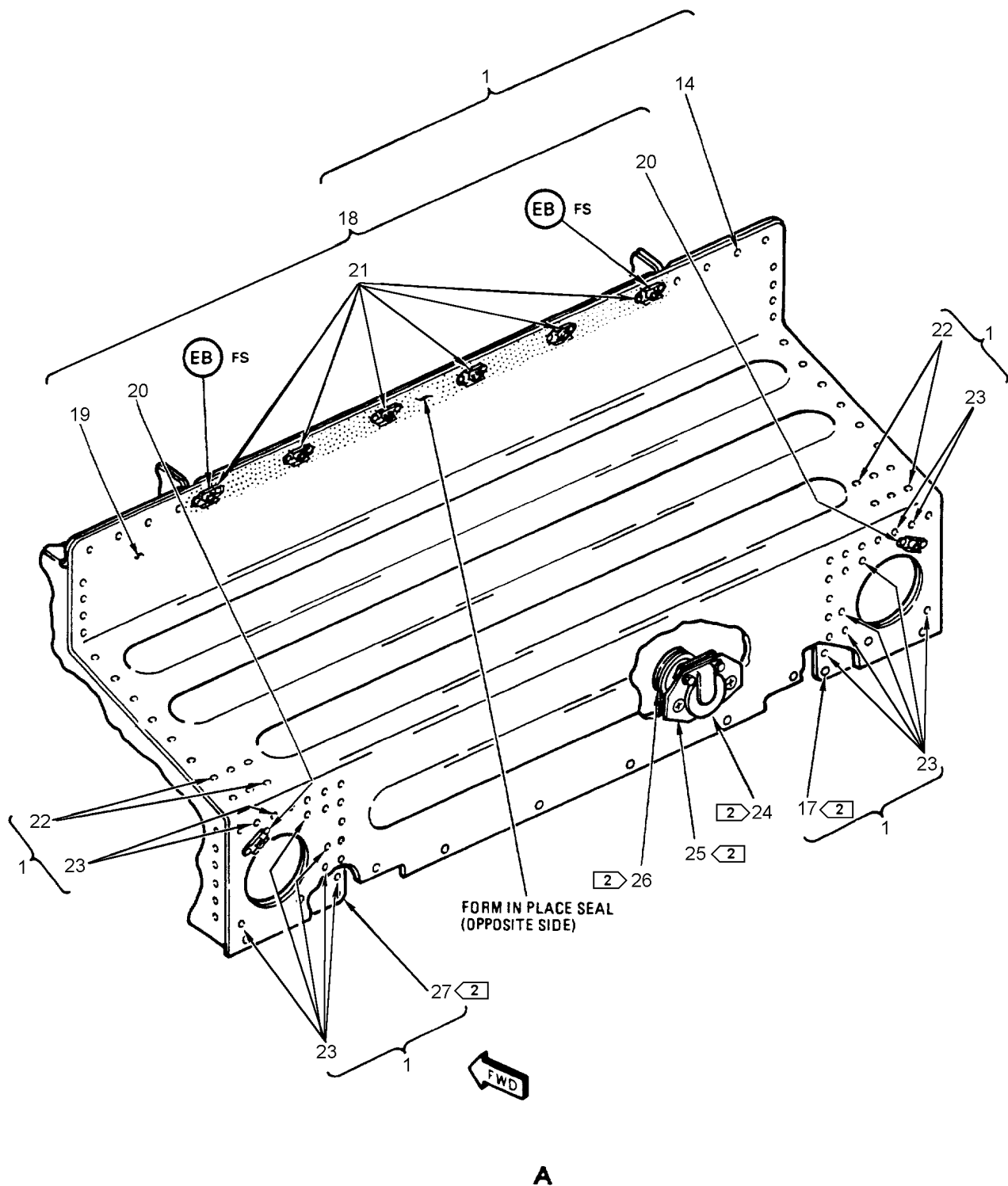


Figure 3. Upper Panel Assembly (Sheet 2)

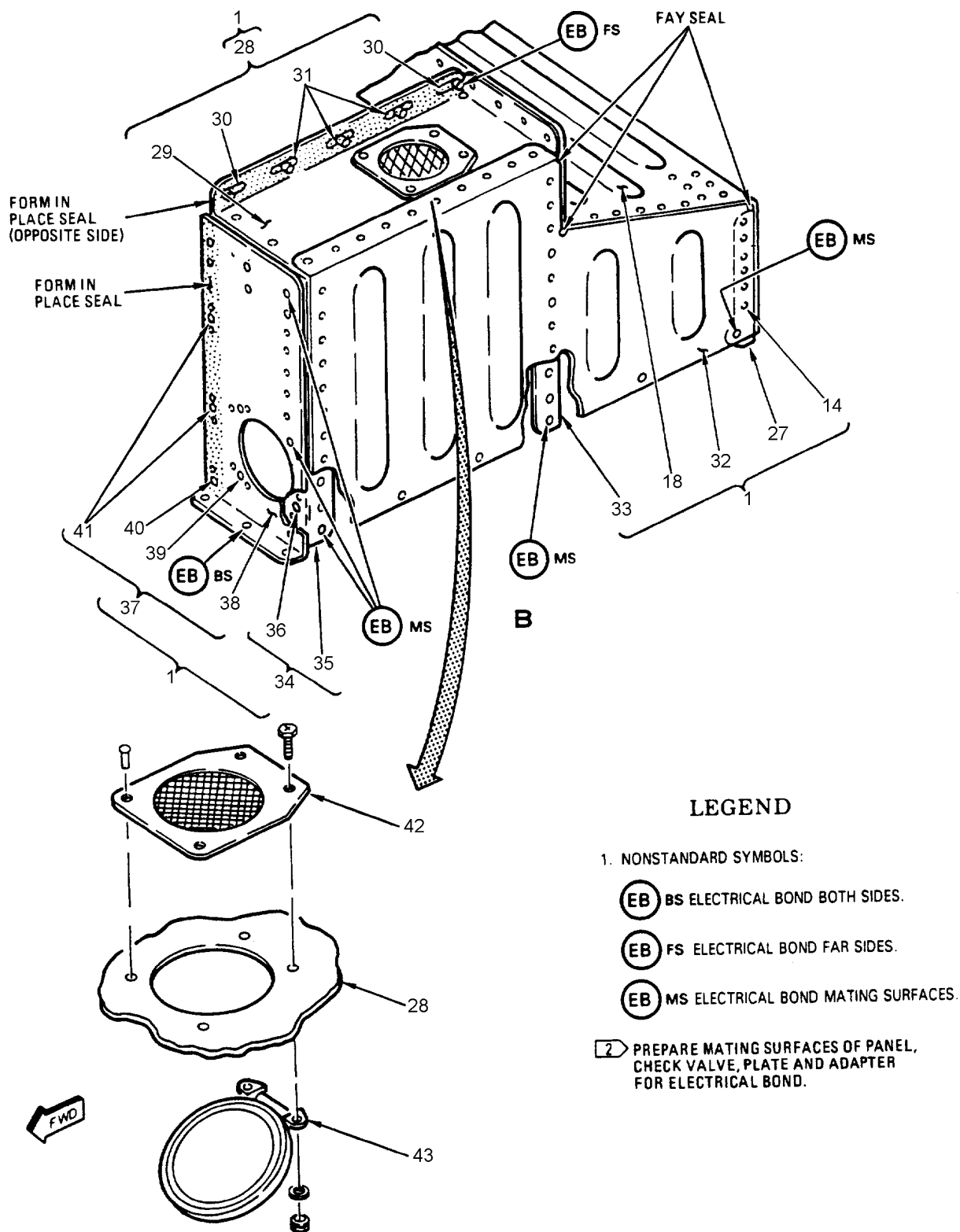


Figure 3. Upper Panel Assembly (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		UPPER PANEL ASSEMBLY			
1	74A586315-2009	. PANEL ASSY, UPPER (76301)	1		XBOOO
2	74A586323-1022	. PANEL ASSY (76301)	1		XBOOO
3	74A586323-2022	. PANEL, TOP (76301)	1		XBOZZ
4	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M4)	2	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M4)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
5	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
6	74A586323-1005	. PANEL ASSY, FRONT (76301)	1		XBOOO
7	74A586323-2005	. PANEL, FRONT (76301)	1		XBOZZ
8	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
9	F50340-3-4	. NUT, SELF LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	F12089-4-3	. SEE ABOVE (72962)	1	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
10	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
11	74A586387-1099	. ANGLE ASSY (76301)	1		XBOOO
12	74A586387-2121	. ANGLE (76301)	1		XBOZZ
13	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
14	MS20470AD5 #	. RIVET	103		-
15	74A586323-2034	. PANEL, SIDE (76301)	1		XBOZZ
16	74A586387-2024	. STIFFENER (76301)	1		XBOZZ
17	74A586323-2092	. DOUBLER (76301) (SUPERSEDES 74A586323-2082)	1		XBOZZ
18	74A586323-1023	. PANEL ASSY, BACK (76301)	1		XBOOO
19	74A586323-2093	. PANEL, BACK (76301) (SUPERSEDES 74A586323-2023 AND 74A586323-2083)	1		XBOZZ
20	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	2	A*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	2	A*	PAOZZ
	F50339-3-4	. SEE ABOVE (15653) (MCDONNELL SPEC ST3M719C3M4)	2	B*	PAOZZ

Figure 3. Upper Panel Assembly (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
21	F12090-4-3	. SEE ABOVE (72962)	2	B*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
22	NAS1097AD3 #	. RIVET (AP)	2		-
	MS20470DD6 #	. RIVET	12		-
	NAS1097AD5 #	. RIVET	14		-
24	55-6004	. DISK ASSEMBLY, VALVE, CHECK FUEL SYSTEM GRAVITY FEED (96736) (MCDONNELL SPEC 74J588006-109)	1	*	PAOZZ
25	20C112-109	. SEE ABOVE (82829)	1	*	PAOZZ
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ
	74A586248-2011	. PLATE (76301)	1		XBOZZ
	NAS663V3HT	. SCREW (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
26	74A586202-2003	. ADAPTER, TUBE - SCAVENGE, TANK NO. 2 (76301)	1		XBOZZ
27	74A586323-2091	. DOUBLER (76301) (SUPERSEDES 74A586323-2081)	1		XBOZZ
28	74A5B6323-1021	. PANEL ASSY (76301)	1		XBOOO
29	74A586323-2021	. PANEL, TOP (76301)	1		XBOZZ
30	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
31	F12089-4-3	. SEE ABOVE (72962)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
32	NAS1097AD3 #	. RIVET (AP)	2		-
	74A586323-2033	. PANEL, SIDE (76301)	1		XBOZZ
	74A586387-2023	. STIFFENER (76301)	1		XBOZZ
	74A586387-1097	. ANGLE ASSY (76301)	1		XBOOO
	74A586387-2119	. ANGLE (76301)	1		XBOZZ
	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
37	74A586323-1033	. PANEL ASSY, FRONT (76301)	1		XBOOO
38	74A586323-2075	. PANEL, FRONT (76301)	1		XBOZZ
39	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
40	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
	F50340-3-4	. NUT, SELF LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	F12089-4-3	. SEE ABOVE (72962)	1	*	PAOZZ

Figure 3. Upper Panel Assembly (Sheet 5)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
41	NAS1097AD3 #	. RIVET (AP)	2		-
	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
42	NAS1097AD3 #	. RIVET (AP)	2		-
	74A586385-1003	. SCREEN ASSEMBLY, PRESSURE RELIEF..... TANK NO. 2 & 3 (76301)	1		PAOZZ
	MS20470AD5 #	. RIVET (AP)	2		-
43	55-6006	. VALVE, CHECK, FUEL SYSTEM, GRAVITY..... FEED (96736) (MCDONNELL SPEC 74J588006-111)	1	*	PAOZZ
	32C112-111	. SEE ABOVE (82829).....	1	*	PAOZZ
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD6L	. WASHER (AP)	2		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

CODE	USABLE ON	MODEL
A	161353 THRU 161970	F/A-18A/B
B	161971 & UP	F/A-18A/B

Figure 3. Upper Panel Assembly (Sheet 6)

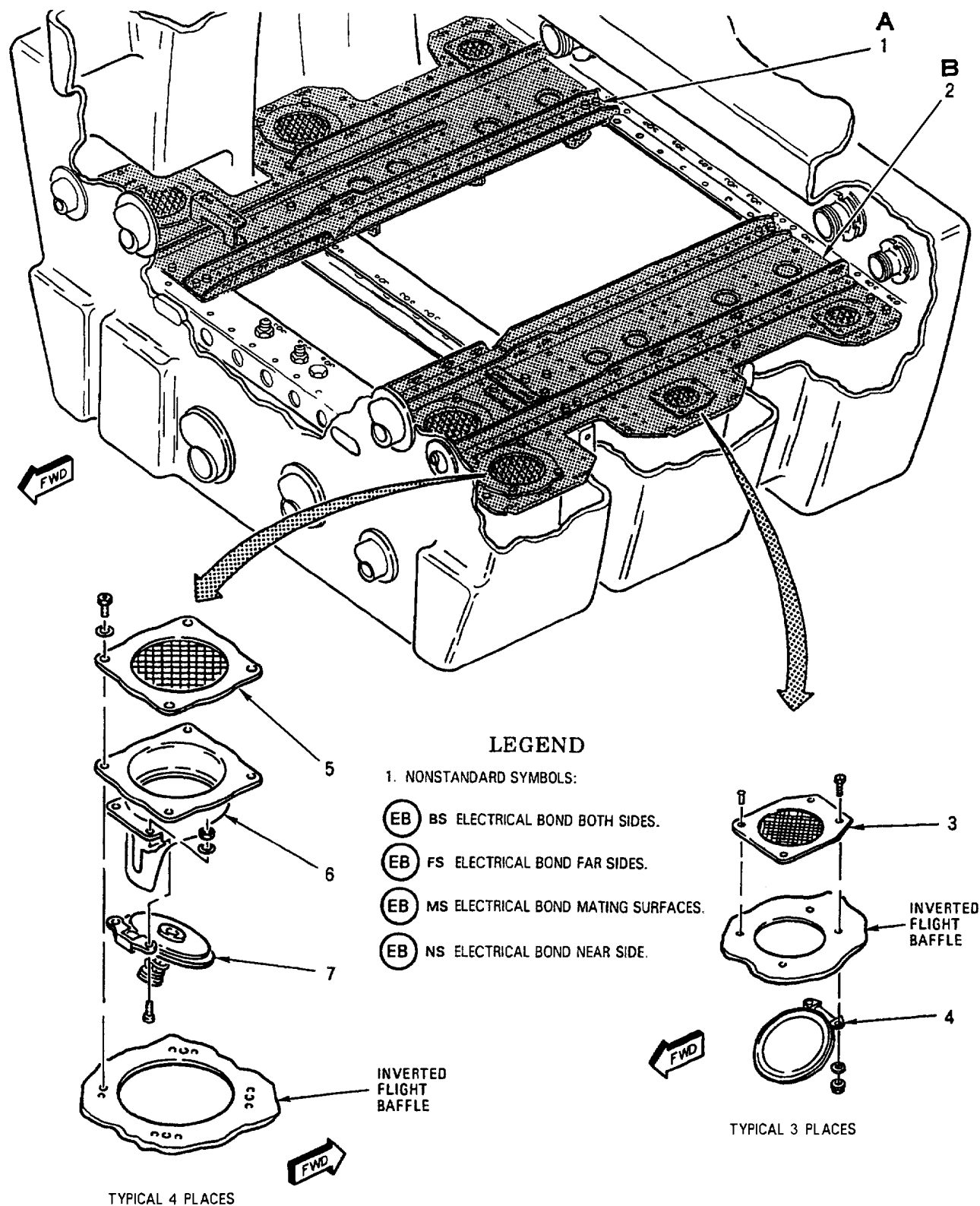
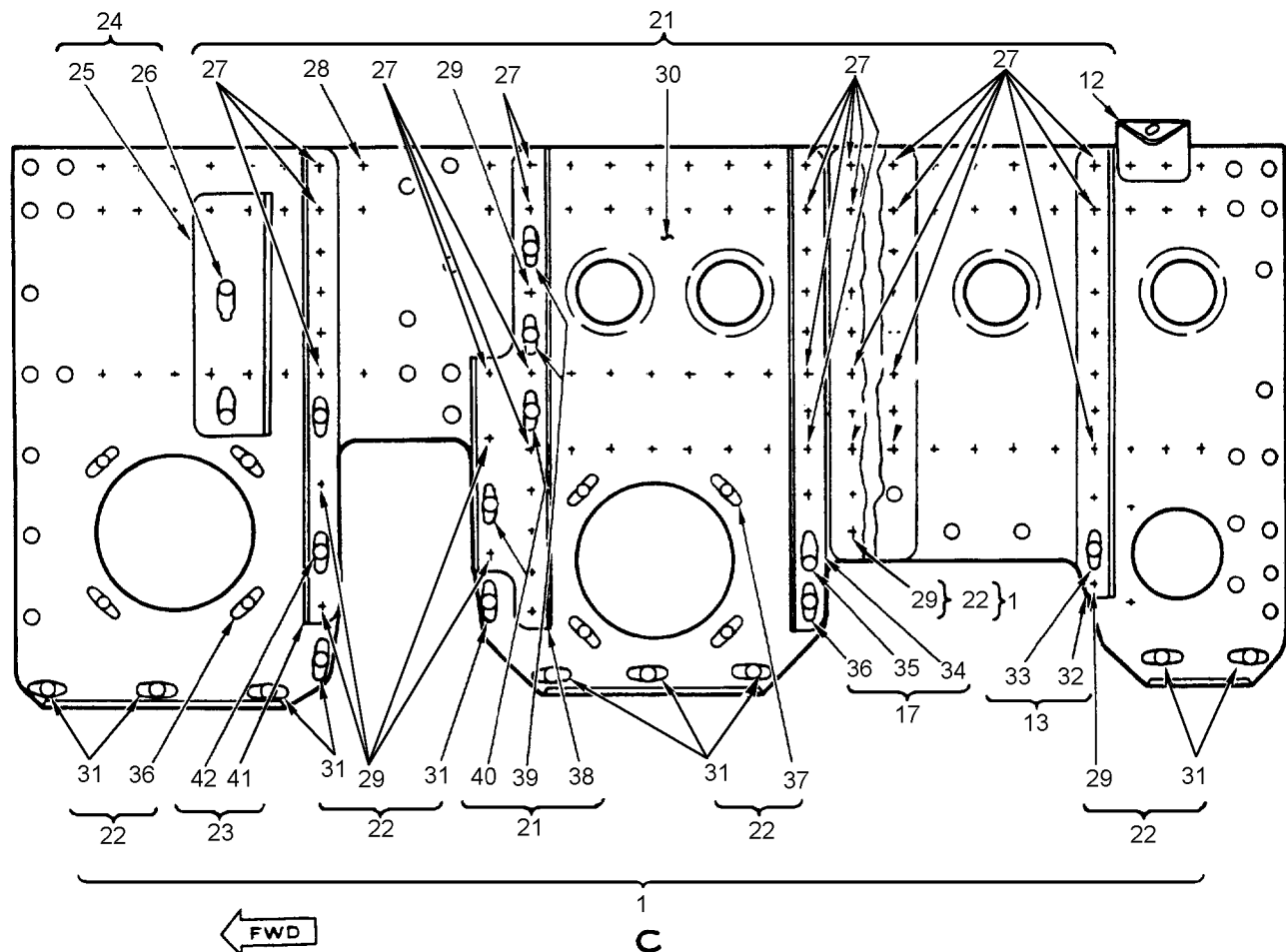
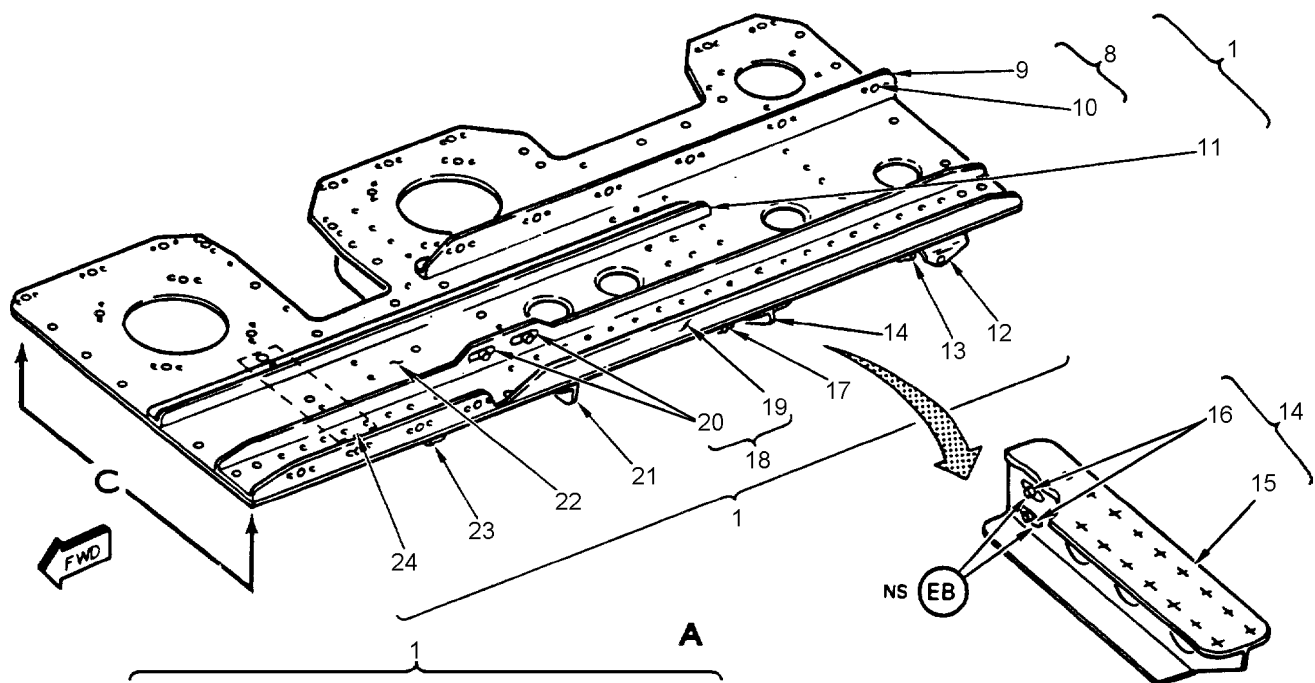


Figure 4. Left and Right Web Assemblies (Sheet 1)



UNDERSIDE VIEW RIGHT WEB

24050402

Figure 4. Left and Right Web Assemblies (Sheet 2)

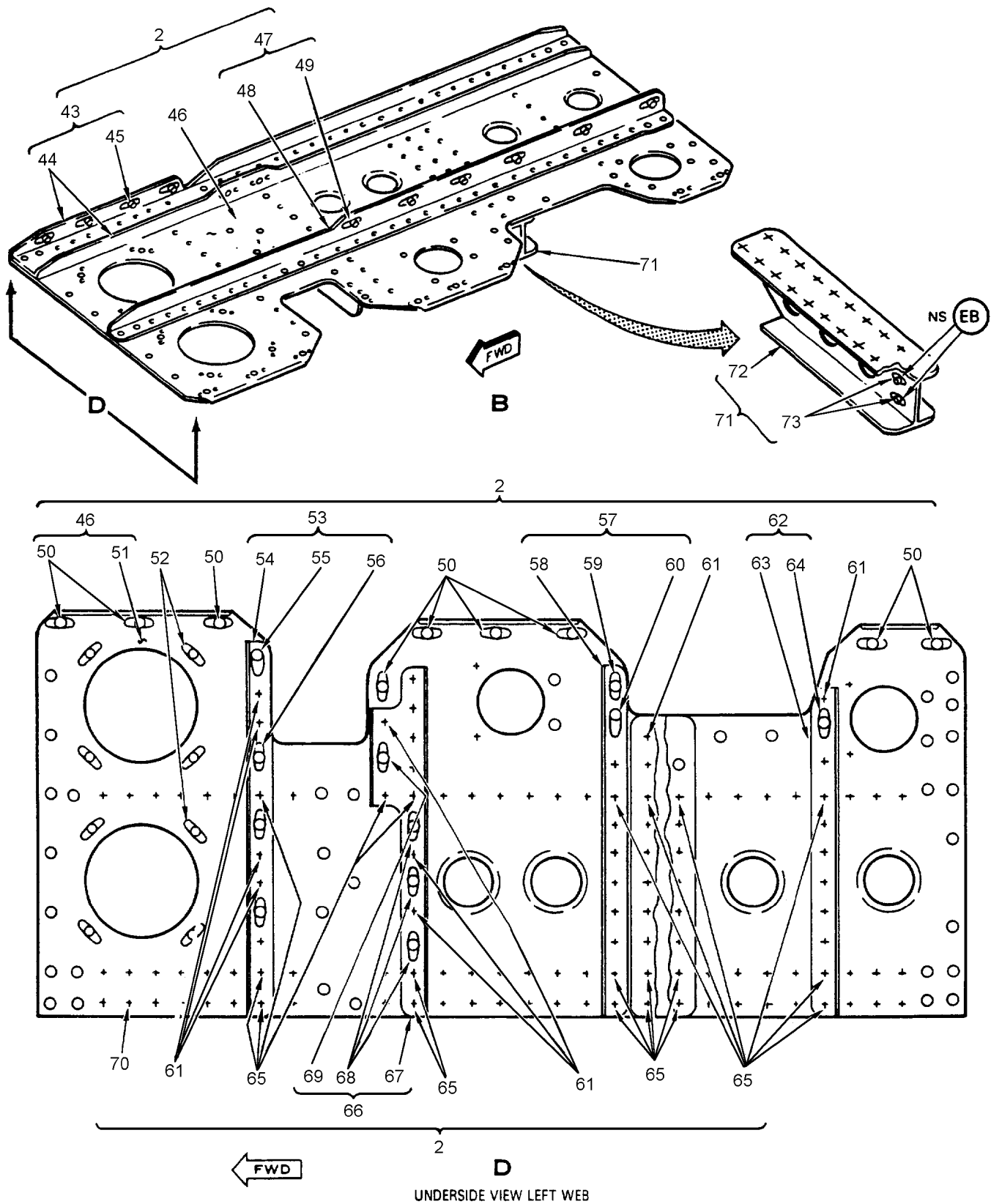
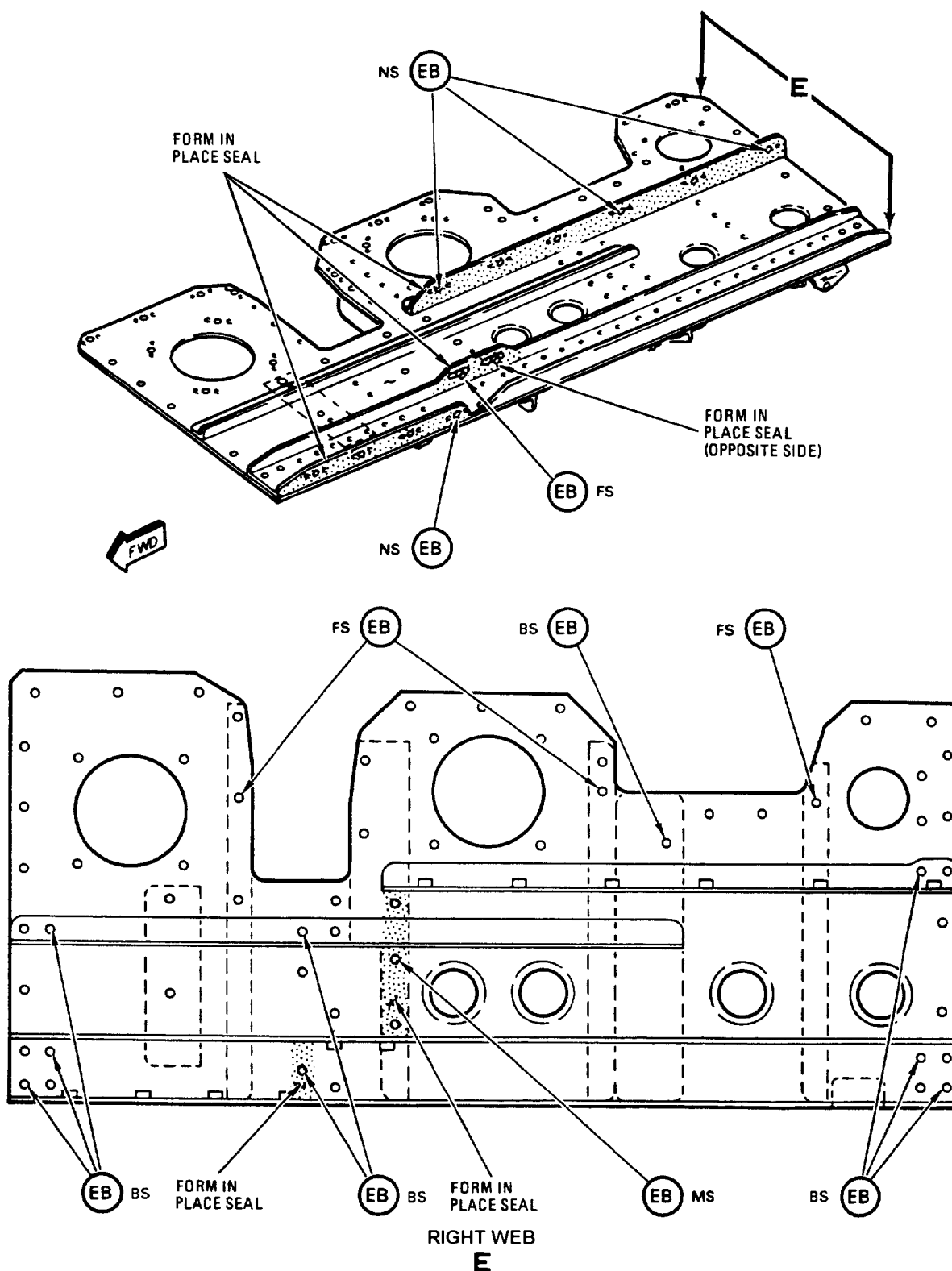


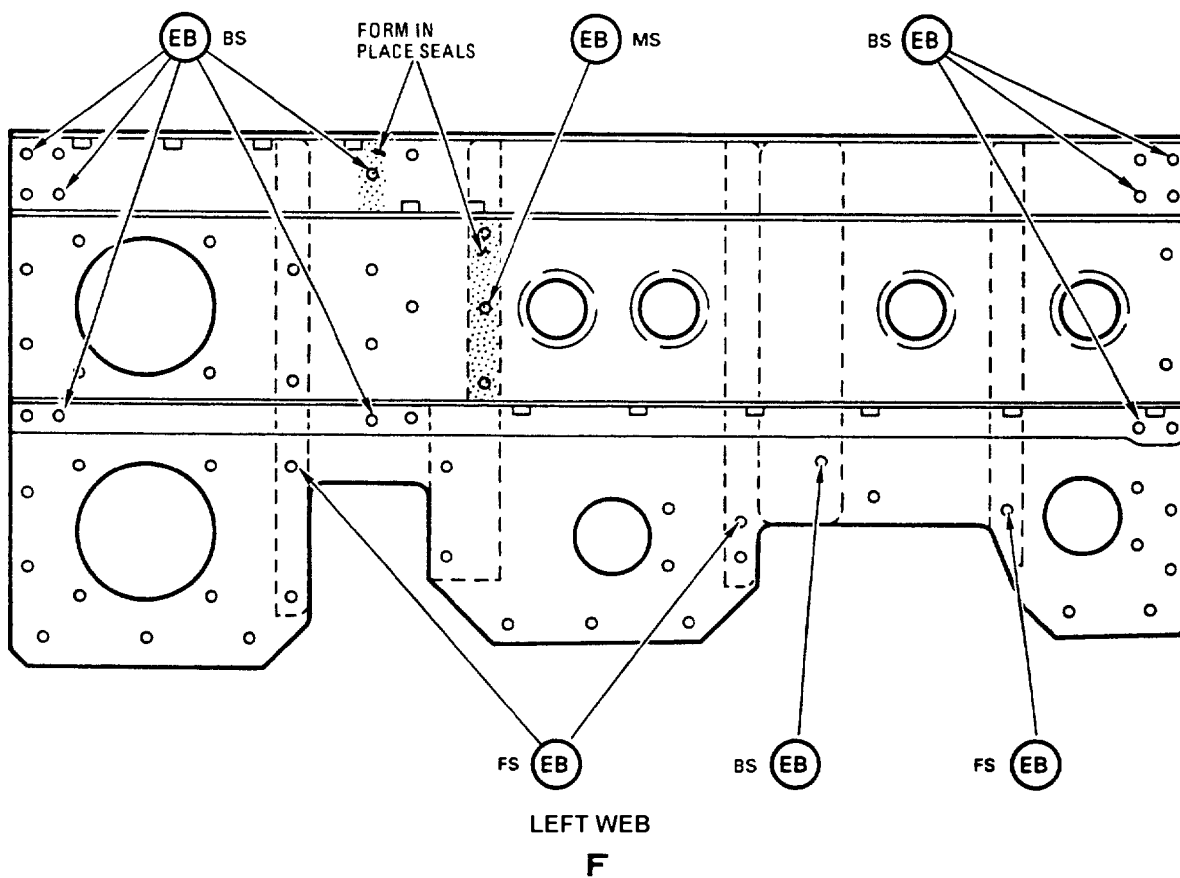
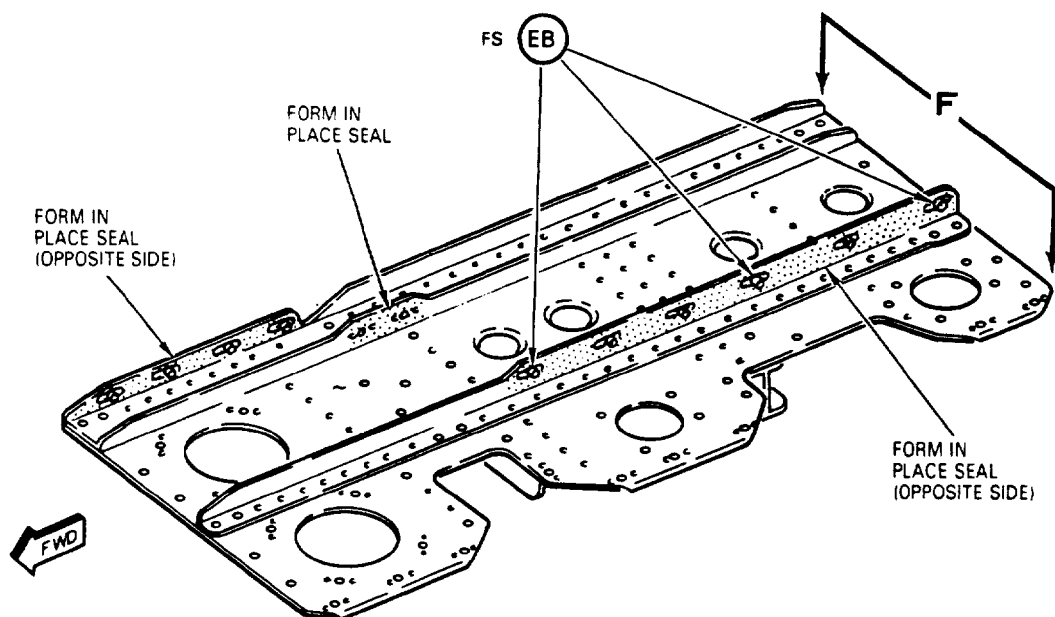
Figure 4. Left and Right Web Assemblies (Sheet 3)



FORM IN PLACE SEALING AND ELECTRICAL BONDING

24050404

Figure 4. Left and Right Web Assemblies (Sheet 4)



FORM IN PLACE SEALING AND ELECTRICAL BONDING

24050405

Figure 4. Left and Right Web Assemblies (Sheet 5)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		LEFT AND RIGHT WEB ASSEMBLIES			
1	74A586315-2007	. RH WEB ASSY (76301)	1		XBOOO
2	74A586315-2005	. LH WEB ASSY (76301).	1		XBOOO
3	74A586385-1003	. SCREEN ASSEMBLY, PRESSURE RELIEF	3		PAOZZ
		FUEL TANK NO. 2 & 3 (76301)			
	MS20470AD5 #	. RIVET (AP)	2		-
4	55-6006	. VALVE, CHECK (96736) (MCDONNELL SPEC	3	*	PAOZZ
		74J588006-111)			
	32C112-111	. SEE ABOVE (82829)	3	*	PAOZZ
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD6L	. WASHER (AP)	2		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ
5	74A586385-1001	. SCREEN ASSEMBLY, PRESSURE RELIEF	4		PAOZZ
		FUEL TANK NO. 2 & 3 (76301)			
	NAS1802-06-8	. SCREW (AP)	4		PAOZZ
	AN960JD6L	. WASHER (AP)	4		PAOZZ
6	74A586384-2005	. HOUSING, CHECK VALVE - BAFFLE	4		XBOZZ
		ASSEMBLY FUEL TK NO 2 & 3 (76301)			
		(SUPERSEDES 74A586384-2001)			
7	55-6007	. VALVE, CHECK, RELIEF (96736).	4		PAOZZ
		(MCDONNELL SPEC 74J588006-113)			
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD6L	. WASHER (AP)	2		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ
8	74A586387-1055	. MOUNT ASSY (76301)	1		XBOOO
9	74A586387-2025	. FLANGE (76301)	1		XBOZZ
10	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653).	6	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M4)			
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962).	6	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M4)			
	MS20426AD3 #	. RIVET (AP)	2		-
11	74A586387-2031	. STIFFENER (76301)	1		XBOZZ
12	74A586323-2053	. BRACKET (76301)	1		XBOZZ
13	74A586387-1009	. STIFFENER ASSY (76301).	1		XBOOO
14	74A586387-1001	. SUPPORT ASSY (76301).	1		XBOOO
15	74A586387-2001	. BEAM SUPPORT (76301)	1		XBOZZ
16	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653).	2	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M2)			
	F12090-2-3	. NUT, SELF-LOCKING PLATE (72962)	2	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M2)			
	MS20426AD3 #	. RIVET (AP)	2		-
17	74A586387-1019	. STIFFENER ASSY (76301).	1		XBOOO
18	74A586387-1014	. CHANNEL ASSY (76301).	1		XBOOO
19	74A586387-2074	. CHANNEL (76301)	1		XBOZZ
20	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653).	6	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M4)			
		(USE WITH INDEX 20)			
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962).	6	*	PAOZZ
		(MCDONNELL SPEC ST3M719C3M4)			
		(USE WITH INDEX 20)			
	MS20426AD3 #	. RIVET (AP)	2		-
21	74A586323-1017	. STIFFENER ASSY (76301).	1		XBOOO
22	74A586323-1009	. WEB ASSY (76301).	1		XBOOO
23	74A586387-1021	. STIFFENER ASSY (76301).	1		XBOOO
24	74A586387-1071	. STIFFENER ASSY (76301).	1		XBOOO
25	74A586387-2087	. SUPPORT, ANGLE (76301).	1		XBOZZ

Figure 4. Left and Right Web Assemblies (Sheet 6)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
26	MS21062L3	.	NUT, PLATE.....						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
27	MS20470DD6 #	.	RIVET						23		-
28	MS20470AD5 #	.	RIVET						97		-
29	NAS1097AD5 #	.	RIVET						7		-
30	74A586323-2063	.	WEB (76301)						1		XBOZZ
31	F50339-3-1	.	NUT, SELF-LOCKING, PLATE (15653).....						10	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	F12090-1-3	.	NUT, SELF-LOCKING, PLATE (72962).....						10	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	NAS1097AD3 #	.	RIVET (AP)						2		-
32	74A586387-2105	.	STIFFENER (76301)						1		XBOZZ
33	F50339-3-1	.	NUT, SELF-LOCKING, PLATE (15653).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	F12090-1-3	.	NUT, SELF-LOCKING, PLATE (72962).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	MS20426AD3 #	.	RIVET (AP)						2		-
34	74A586387-2019	.	STIFFENER (76301)						1		XBOZZ
35	F50339-3-1	.	NUT, SELF-LOCKING, PLATE (15653).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	F12090-1-3	.	NUT, SELF-LOCKING, PLATE (72962).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	MS20426AD3 #	.	RIVET (AP)						2		-
36	F50340-3-1	.	NUT, SELF-LOCKING, PLATE (15653).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M1)								
	F12089-1-3	.	NUT, SELF-LOCKING, PLATE (72962).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M720C3M1)								
	MS20426AD3 #	.	RIVET (AP)						2		-
37	MS21060L06	.	NUT, PLATE.....						8		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
38	74A586323-2055	.	STIFFENER (76301)						1		XBOZZ
39	F50339-3-2	.	NUT, SELF-LOCKING, PLATE (15653).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M2)								
	F12090-2-3	.	NUT, SELF-LOCKING, PLATE (72962).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M2)								
	NAS1097AD3 #	.	RIVET (AP)						2		-
40	F50339-3-1	.	NUT, SELF-LOCKING, PLATE (15653).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	F12090-1-3	.	NUT, SELF-LOCKING, PLATE (72962).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	NAS1097AD3 #	.	RIVET (AP)						2		-
41	74A586387-2109	.	STIFFENER (76301)						1		XBOZZ
42	F50339-3-1	.	NUT, SELF-LOCKING, PLATE (15653).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M1)								
	F12090-1-3	.	NUT, SELF-LOCKING, PLATE (72962).....						2	*	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
43	74A586387-1013	.	CHANNEL ASSY (76301).....						1		XBOOO
44	74A586387-2073	.	CHANNEL (76301)						1		XBOZZ
45	F50339-3-4	.	NUT, SELF-LOCKING, PLATE (15653).....						6	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M4)								

Figure 4. Left and Right Web Assemblies (Sheet 7)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
46	74A586323-1011	. WEB ASSY (76301).	1		XBOOO
47	74A586387-1057	. STIFFENER ASSY (76301).	1		XBOOO
48	74A586387-2027	. FLANGE (76301).	1		XBOZZ
49	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
50	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1)	9	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1)	9	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
51	74A586323-2065	. WEB (76301)	1		XBOZZ
52	MS21060L06	. NUT, PLATE.	8		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
53	74A586387-1003	. STIFFENER ASSY (76301).	1		XBOOO
54	74A586387-2003	. STIFFENER (76301)	1		XBOZZ
55	F50340-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	F12089-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
56	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1)	3	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1)	3	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
57	74A586387-1005	. STIFFENER ASSY (76301).	1		XBOOO
58	74A586387-2005	. STIFFENER (76301)	1		XBOZZ
59	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1)	3	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
60	F50340-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	F12089-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
61	NAS1097AD5 #	. RIVET	9		-
62	74A586387-1007	. STIFFENER ASSY (76301).	1		XBOOO
63	74A586387-2107	. STIFFENER (76301)	1		XBOZZ
64	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ

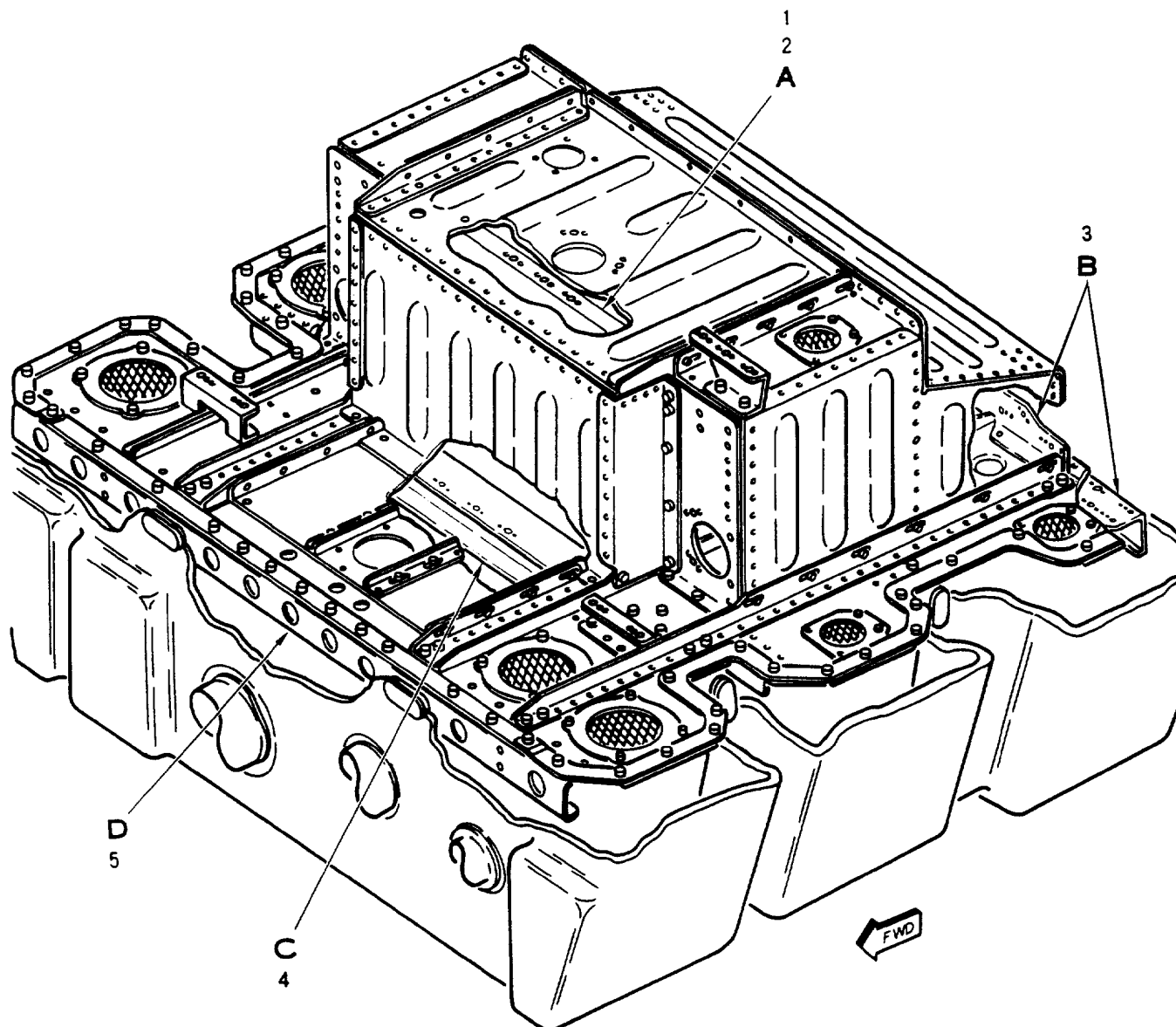
Figure 4. Left and Right Web Assemblies (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	MS20426AD3 #	. RIVET (AP)	2		-
65	MS20470DD6 #	. RIVET	19		-
66	74A586323-1019	. STIFFENER ASSY (76301).....	1		XBOOO
67	74A586323-2057	. STIFFENER (76301)	1		XBOZZ
68	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
69	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
70	MS20470DD6 #	. RIVET	89		-
71	74A586387-1011	. SUPPORT ASSY (76301).....	1		XBOOO
72	74A586387-2011	. BEAM SUPPORT (76301).....	1		XBOZZ
73	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING PLATE (72962)	2	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

Figure 4. Left and Right Web Assemblies (Sheet 9)



LEGEND

1. NONSTANDARD SYMBOLS:

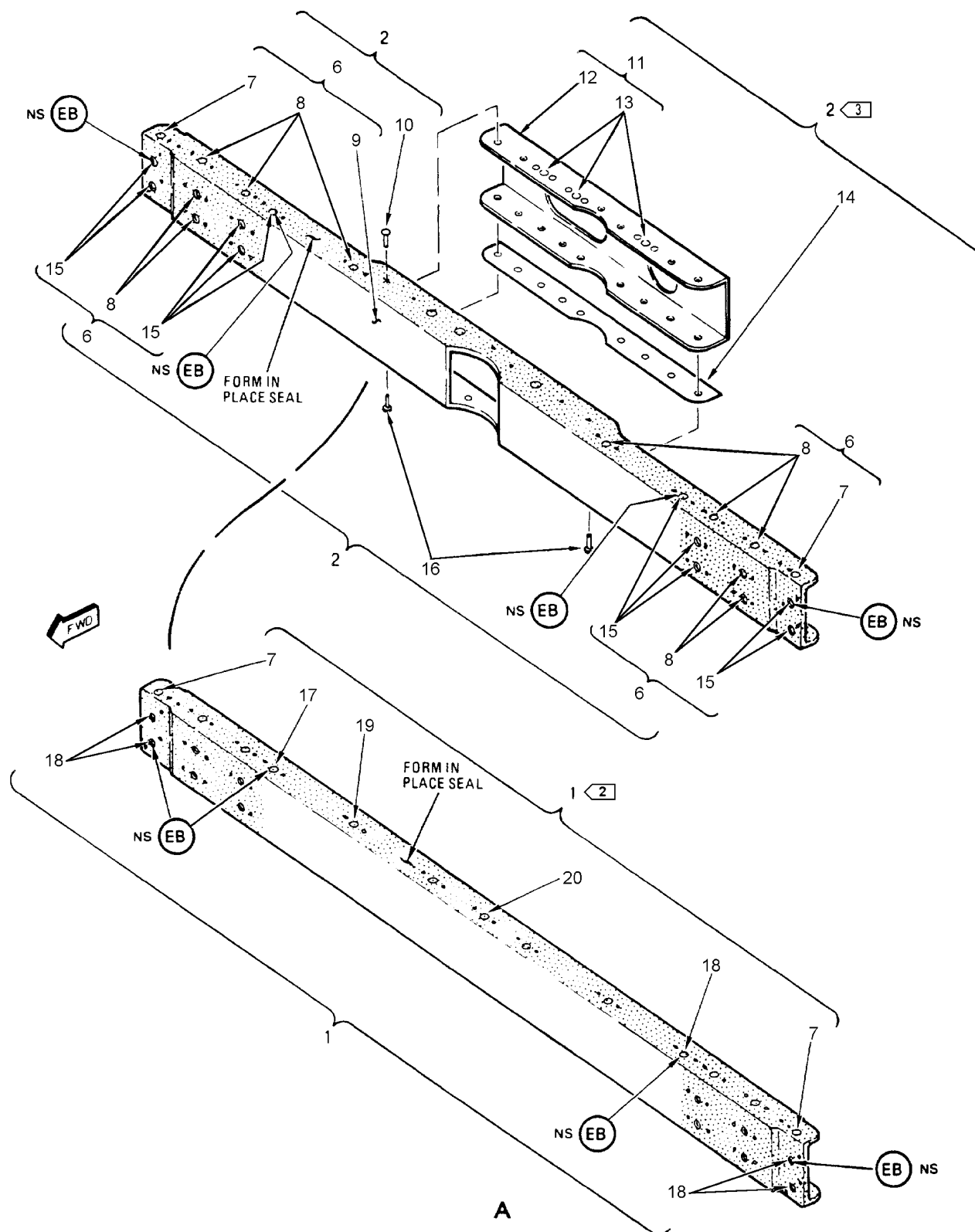
(EB) BS ELECTRICAL BOND BOTH SIDES.

(EB) NS ELECTRICAL BOND NEAR SIDE.

(2) 161716 THRU 161761 BEFORE F/A-18 AFC 18

(3) 161924 AND UP; ALSO 161716 THRU 161761 AFTER F/A-18 AFC 18.

Figure 5. Upper and Lower Support Assemblies (Sheet 1)



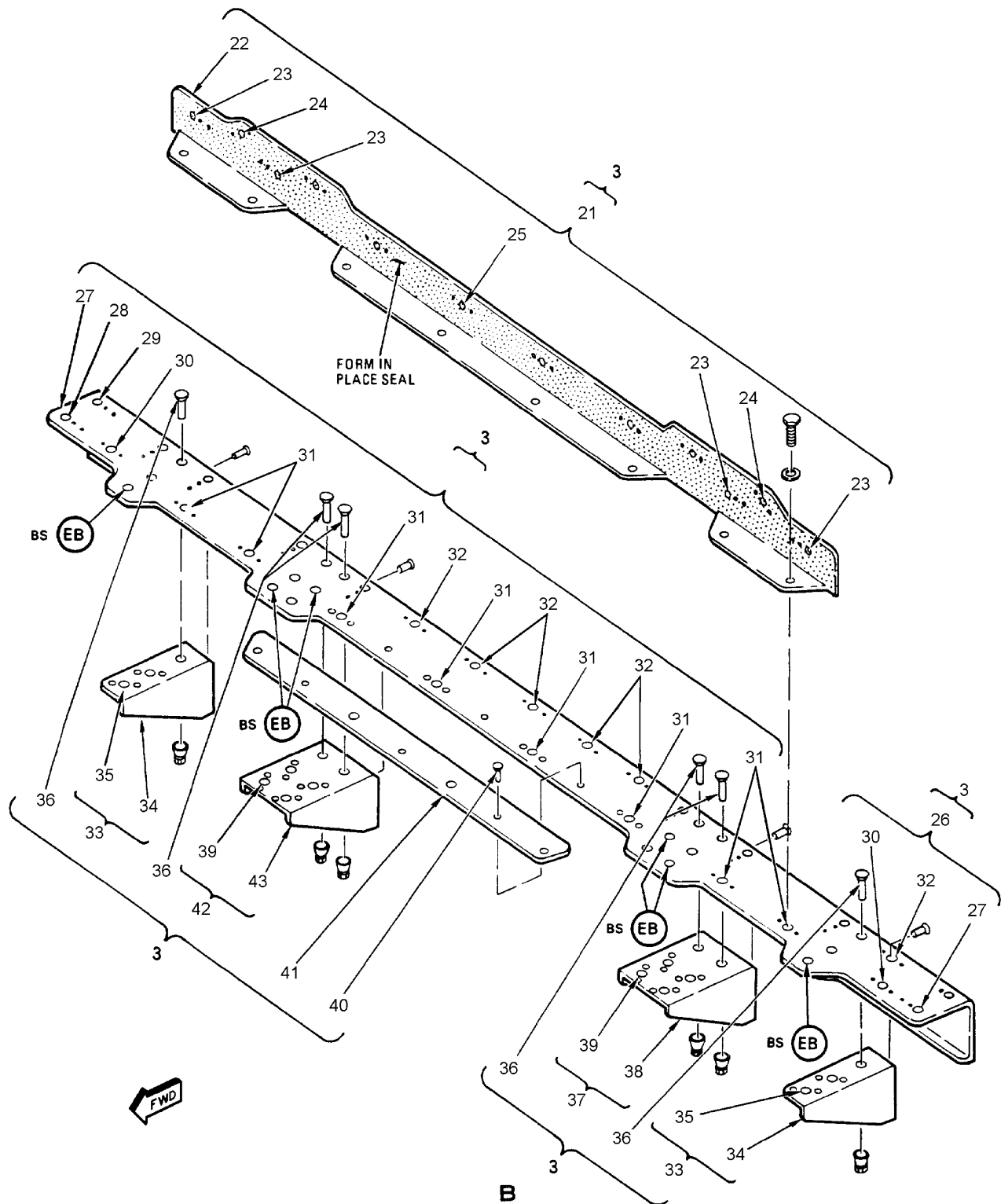


Figure 5. Upper and Lower Support Assemblies (Sheet 3)

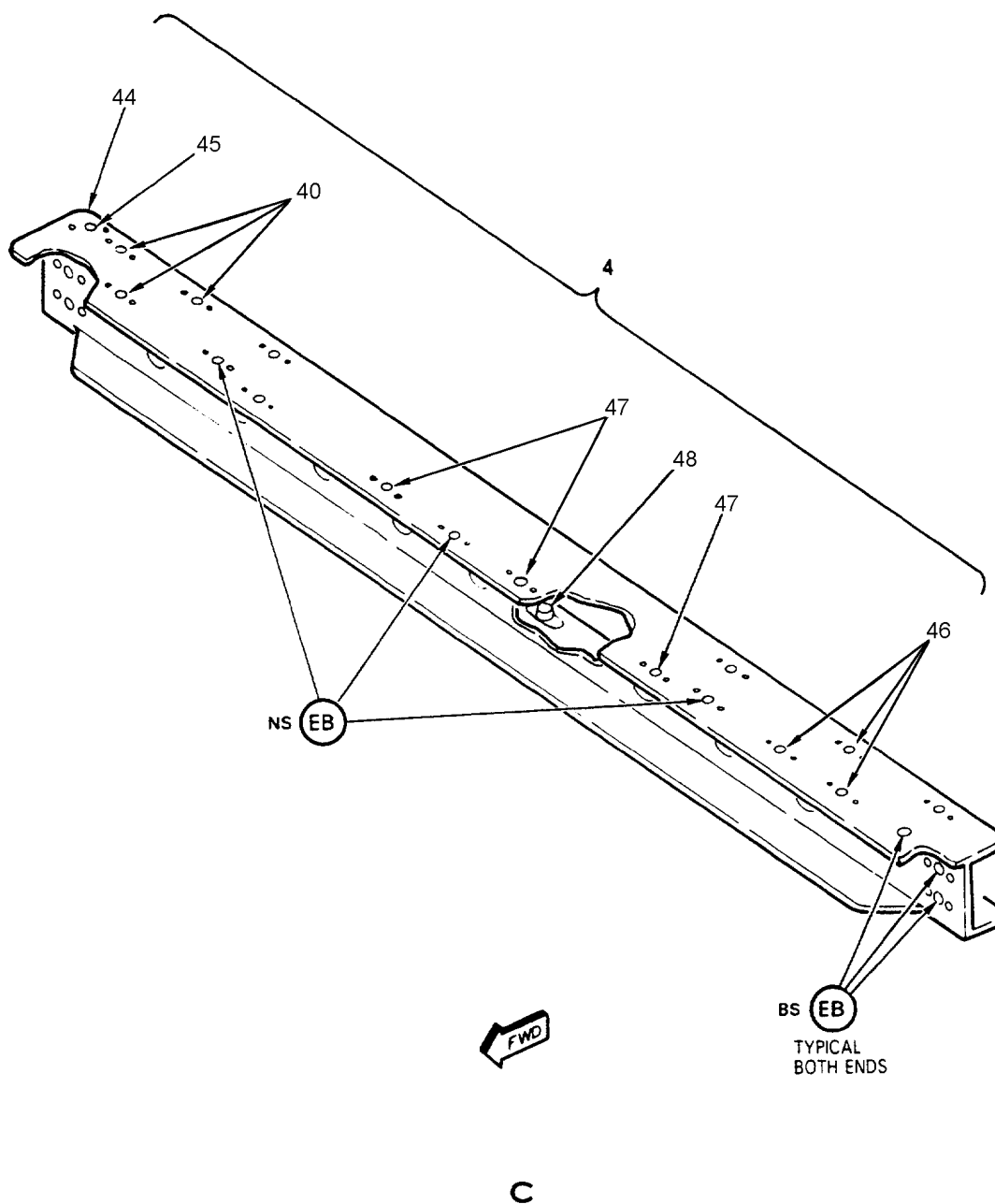


Figure 5. Upper and Lower Support Assemblies (Sheet 4)

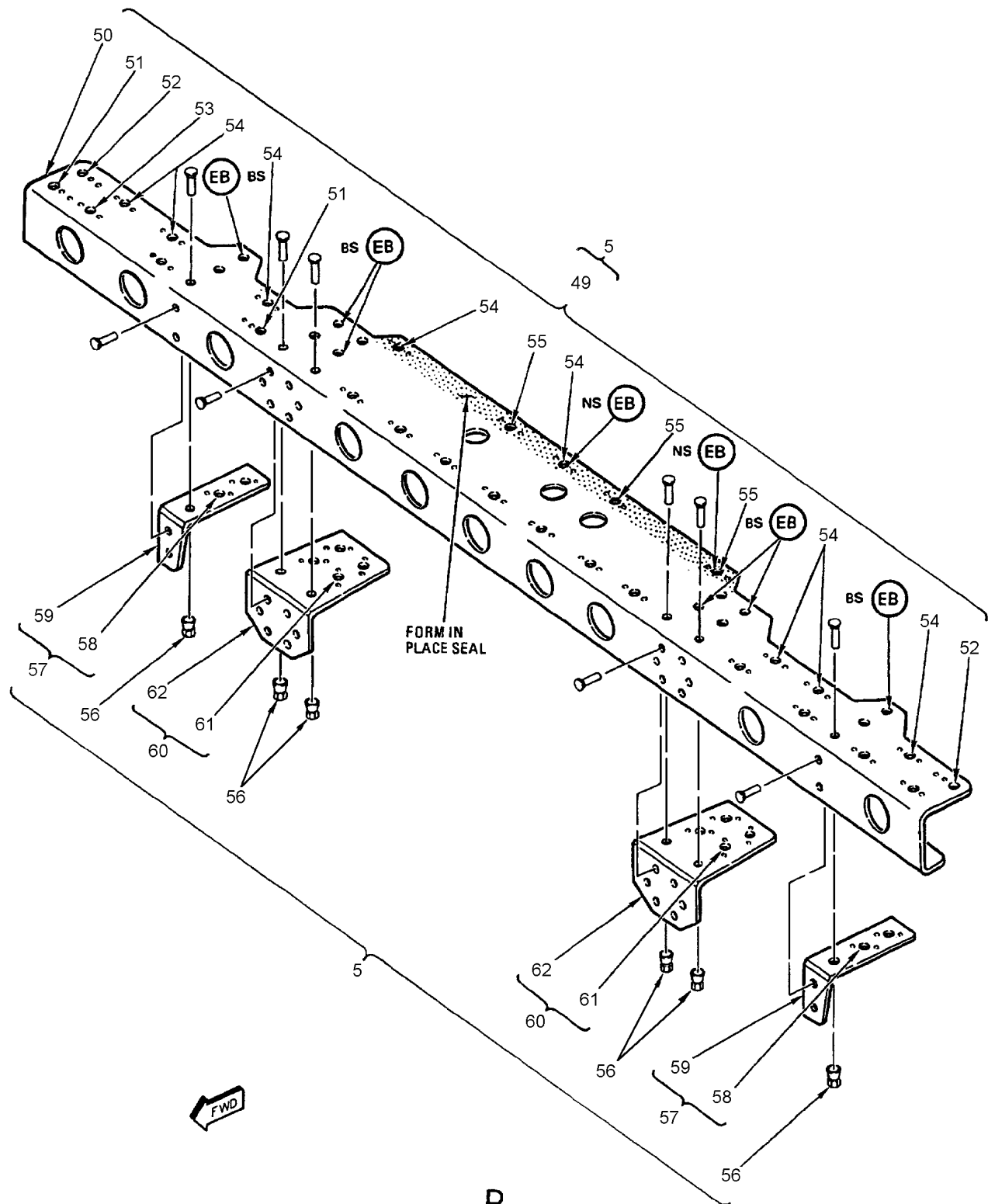


Figure 5. Upper and Lower Support Assemblies (Sheet 5)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		UPPER AND LOWER SUPPORT ASSEMBLIES.			
1	74A586323-1007	. STIFFENER ASSY (76301).....	1	E	XBOOO
2	74A586315-2017	. STIFFENER ASSY (76301).....	1	B	XBOOO
3	74A586315-2003	. SUPPORT ASSY, AFT (76301).....	1		XBOOO
4	74A586387-1105	. SUPPORT ASSY (76301) (SUPERSEDES. 74A586387-1015)	1	A	XBOOO
	74A586387-1109	. SEE ABOVE.....	1	B	XBOOO
5	74A586315-2001	. SUPPORT ASSY, FWD (76301).....	1		XBOOO
6	74A586323-1029	. STIFFENER (76301).....	1	B	XBOOO
7	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M720C3M2)	2	*	PAOZZ
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M720CM2)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP).....	2		-
8	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M4)	10	D*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M4)	10	D*	PAOZZ
	NAS1097AD3 #	. RIVET (AP).....	2		-
9	74A586323-2071	. STIFFENER (76301).....	1		XBOZZ
10	NAS1097AD5 #	. RIVET (TOP).....	6		-
11	74A586387-1095	. CHANNEL ASSY (76301).....	1	B	XBOOO
12	74A586387-2117	. CHANNEL (76301).....	1	B	XBOZZ
13	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M2)	3	B*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M2)	3	B*	PAOZZ
	NAS1097AD3 #	. RIVET (AP).....	2		-
14	74A586315-2019	. SHIM.....	1	B	XBOZZ
15	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M2)	10	D*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M2)	10	D*	PAOZZ
	NAS1097AD3 #	. RIVET (AP).....	2		-
16	MS20470AD5 #	. RIVET (BOTTOM).....	9		PAOZZ
17	74A586323-2007	. STIFFENER (76301).....	1		XBOZZ
18	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M2)	6	A*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M2)	6	A*	PAOZZ
	NAS1097AD3 #	. RIVET (AP).....	2		-
19	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M4)	16	A*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M4)	16	A*	PAOZZ
	NAS1097AD3 #	. RIVET (AP).....	2		-
20	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M1)	1	A*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M1)	1	A*	PAOZZ
	NAS1097AD3 #	. RIVET (AP).....	2		-
21	74A586387-1023	. MOUNT ASSY (76301).....	1		XBOOO
22	74A586387-2069	. MOUNT (76301).....	1		XBOZZ
23	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M720C3M4)	4	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M720C3M4)	4	*	PAOZZ

Figure 5. Upper and Lower Support Assemblies (Sheet 6)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
24	NAS1097AD3 #	. RIVET (AP)	2		-
	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
25	NAS1097AD3 #	. RIVET (AP)	2		-
	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
26	NAS1097AD3 #	. RIVET (AP)	2		-
	74A586323-1015	. CHANNEL ASSY (SUPPORT ASSY) (76301).	1		XBOOO
	74A586323-2015	. SUPPORT CHANNEL (76301)	1		XBOZZ
27	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M720C3M4)	2	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M720C3M4)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
28	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M720C3M2)	9	*	PAOZZ
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M720C3M2)	9	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
29	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
30	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M2)	8	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M2)	8	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
31	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M719C3M1)	6	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M1)	6	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
32	74A586318-1007	. SUPPORT, FITTING - BAFFLE, FUEL TANK. NO. 2 & 3 (76301)	2		XBOOO
	MS20470DD6 #	. RIVET (AP)	2		-
	74A586318-2007	. FITTING (76301)	2		XBOZZ
33	F49249E3-2	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M443-3A2)	2	*	PAOZZ
	F18421L2-3	. SEE ABOVE (72962)	2	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
34	AIC-L-758V08L2	. PIN-RIVET, THREADED (06725) (MCDONNELL . . . SPEC ST3M758V08L2)	6	*	PAOZZ
	HLT311-5-2	. SEE ABOVE (73197)	6	*	PAOZZ
	SW1000-6M	. COLLAR, PIN-RIVET, THREADED (73197). (MCDONNELL SPEC ST3M526C3M) (USE WITH INDEX 36)	6		PAOZZ
35	74A586302-1001	. SUPPORT FITTING - BAFFLE ASSEMBLY FUEL . . TK NO. 2 & 3 (76301)	1		XBOOO
	MS20470DD6 #	. RIVET (AP)	3		-
	74A586302-2001	. FITTING (76301)	1		XBOZZ

Figure 5. Upper and Lower Support Assemblies (Sheet 7)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
39	F49249E3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M443-3A2)	4	*	PAOZZ
	F18421L2-3	. SEE ABOVE (72962).....	4	*	PAOZZ
	NS202041-02-2	. SEE ABOVE (80539).....	4	*	PAOZZ
	BFN443-3-2	. SEE ABOVE (27238).....	4	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
40	NAS1095AD5 #	. RIVET	3		-
41	74A586323-2045	. SHIM (76301).....	1		XBOZZ
42	74A586302-1002	. SUPPORT, FITTING - BAFFLE ASSEMBLY, FUEL.. TK NO. 2 & 3 (76301)	1		XBOOO
	MS20426DD6 #	. RIVET (AP)	3		-
43	74A586302-2002	. FITTING (76301)	1		XBOZZ
44	74A586387-2129	. BEAM SUPPORT (76301) (SUPERSEDES..... 74A586387-2015)	1		XBOZZ
45	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M2)	12	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M2)	12	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
46	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
47	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M1)	3	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M1)	3	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
48	F50339-3-1	. NUT, SELF LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M1)	1	A*	PAOZZ
	F12090-1-3	. SEE ABOVE (72962).....	1	A*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
49	74A586323-1013	. CHANNEL ASSY (76301).....	1		XBOOO
50	74A586323-2079	. SUPPORT CHANNEL (76301)	1		XBOZZ
51	F50340-3-1	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
	F12089-1-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
52	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M720C3M4)	4	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M720C3M4)	4	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
53	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M1)	13	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M1)	13	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
54	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M719C3M4)	6	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
55	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ

Figure 5. Upper and Lower Support Assemblies (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962). (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
56	AIC-L-758V08L2	. PIN-RIVET, THREADED (06725) (MCDONNELL . . . SPEC ST3M758V08L2)	6	*	PAOZZ
	HLT311-6-2	. SEE ABOVE (73197).	6	*	PAOZZ
	SW1000-6M	. COLLAR, PIN-RIVET, THREADED (73197). (MCDONNELL SPEC ST3M526C3M) (USE WITH INDEX 56)	6		PAOZZ
57	74A586318-1007	. SUPPORT, FITTING - BAFFLE, FUEL TANK. NO. 2 & 3 (76301)	2		XBOOO
	MS20470DD6 #	. RIVET (AP)	2		-
58	F49249E3-2	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M443-3A2)	2	*	PAOZZ
	F18421L2-3	. SEE ABOVE (72962).	2	*	PAOZZ
	NS202041-02-2	. SEE ABOVE (80539).	2	*	PAOZZ
	BFN443-3-2	. SEE ABOVE (27238).	2	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
59	74A586318-2007	. FITTING (76301)	1		XBOZZ
60	74A586386-1003	. SUPPORT, BAFFLE - FUEL TANK NO. 2 & 3. (76301)	2		XBOOO
	MS20470DD6 #	. RIVET (AP)	4		-
61	F49249E3-2	. NUT, SELF-LOCKING, PLATE (15653). (MCDONNELL SPEC ST3M443-3A2)	4	*	PAOZZ
	F18421L2-3	. SEE ABOVE (72962).	4	*	PAOZZ
	NS202041-02-2	. SEE ABOVE (80539).	4	*	PAOZZ
	BFN443-3-2	. SEE ABOVE (27238).	4	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
62	74A586386-2003	. FITTING (76301)	1		XBOZZ

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

CODE	USABLE ON	MODEL
A	161716 THRU 161761	F/A-18A/B
B	161924 L UP; ALSO 161716 THRU 161761 AFTER F/A-18 AFC 18	F/A-18A/B
C	DELETED	
D	161353 THRU 161715 AFTER F/A-18 AFC 18	F/A-18A/B
E	161716 THRU 161761 BEFORE F/A-18 AFC 18	F/A-18A/B

Figure 5. Upper and Lower Support Assemblies (Sheet 9)

ORGANIZATIONAL MAINTENANCE**SYSTEM MAINTENANCE WITH IPB****IPB - NO. 3 FUEL TANK (5CAP510)****FUEL STORAGE SYSTEM****EFFECTIVITY: 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53****Record of Applicable Technical Directives**

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Tank 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of ECP MDA-F/A-18-00084R1)	1 Jun 84	-
F/A-18 IAFC 034	6 Oct 83	Fuel System, Defuel Tube Flange, Modification of (ECP MDA/F/A-18-00055C1)	15 Sep 83	-
F/A-18 IAFC 034 Amend 1	13 Oct 83	(Adds Additional Required Material) (ECP MDA-F/A-18-00055C1)	1 Apr 88	-

1. ILLUSTRATED PARTS BREAKDOWN.

2. Removal procedure for No. 3 Fuel Tank is in WP022 03. Index numbers in this WP match those in WP022 03.

3. Installation procedure for No. 3 Fuel Tank is in WP023 03. Index numbers in this WP match those in WP023 03.

4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

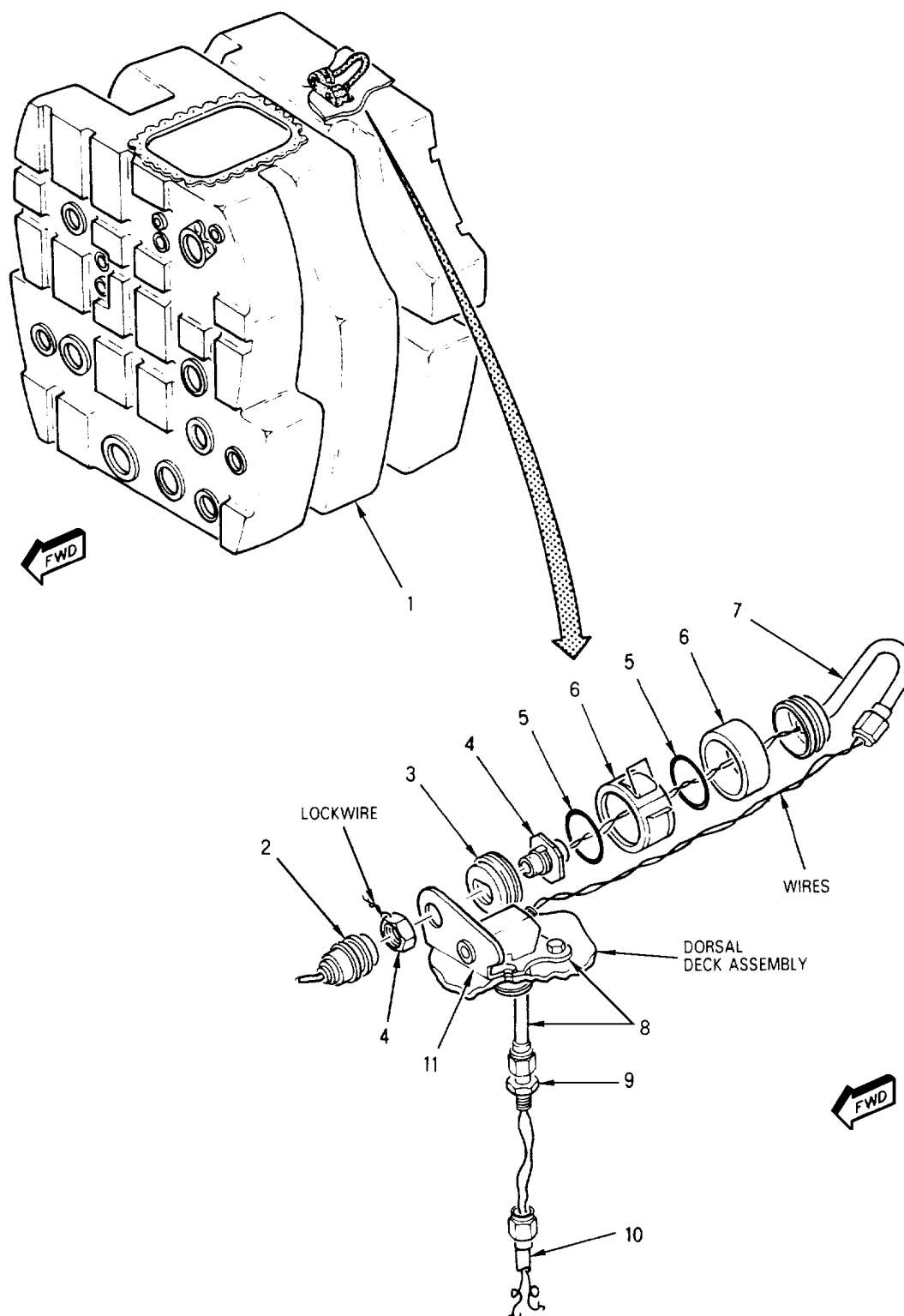
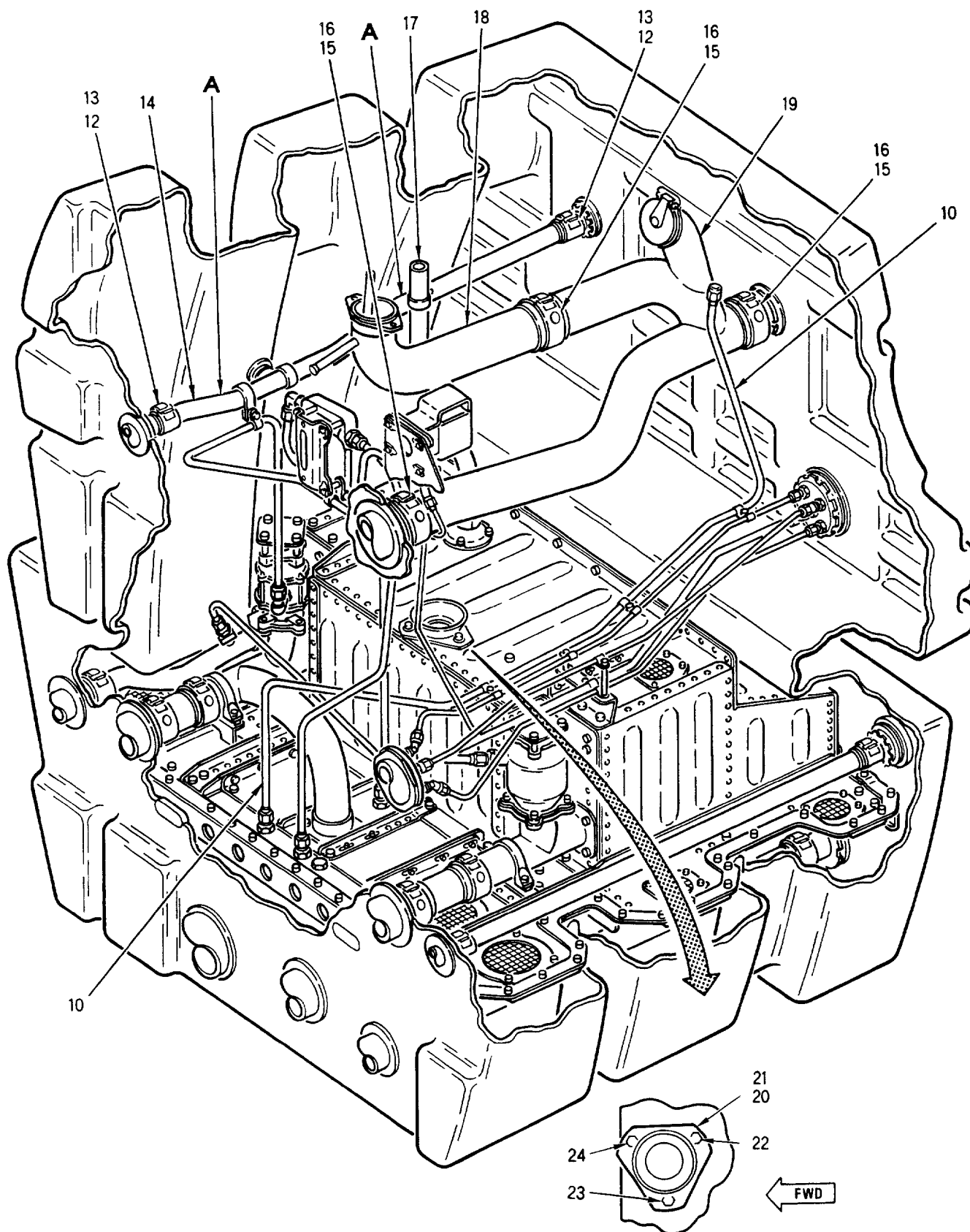
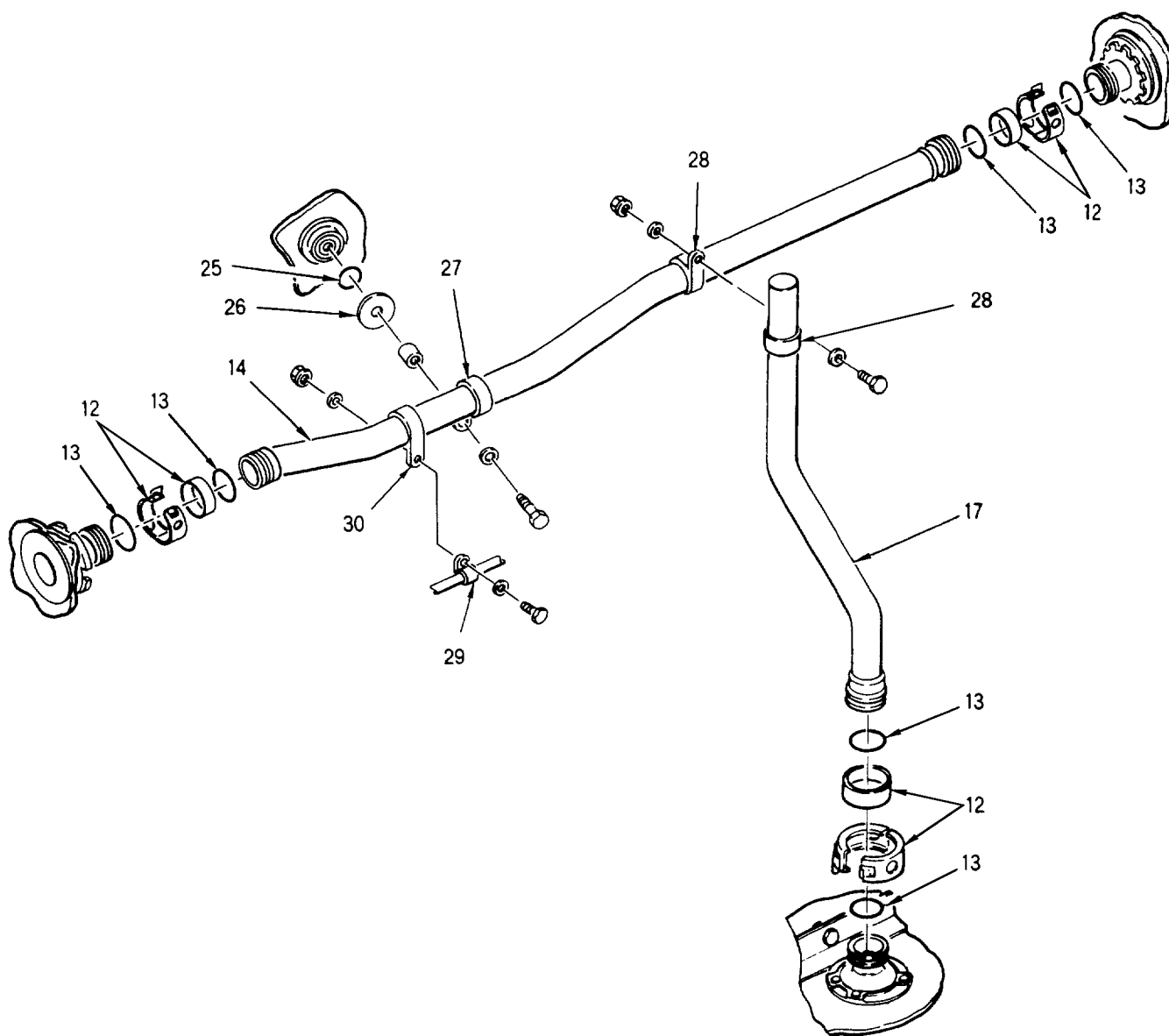


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 1)



24060102

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 2)



A

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 3)

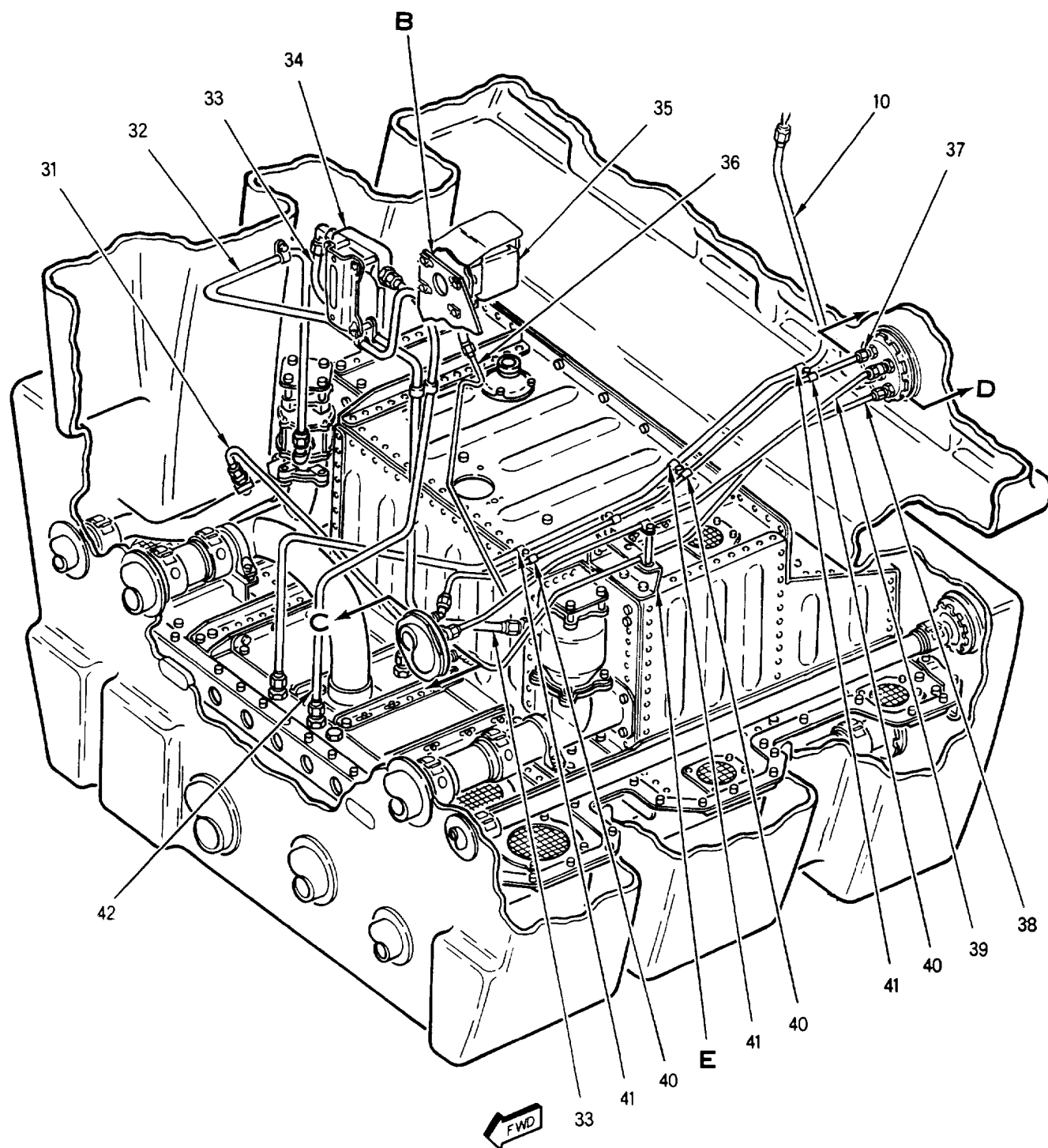


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 4)

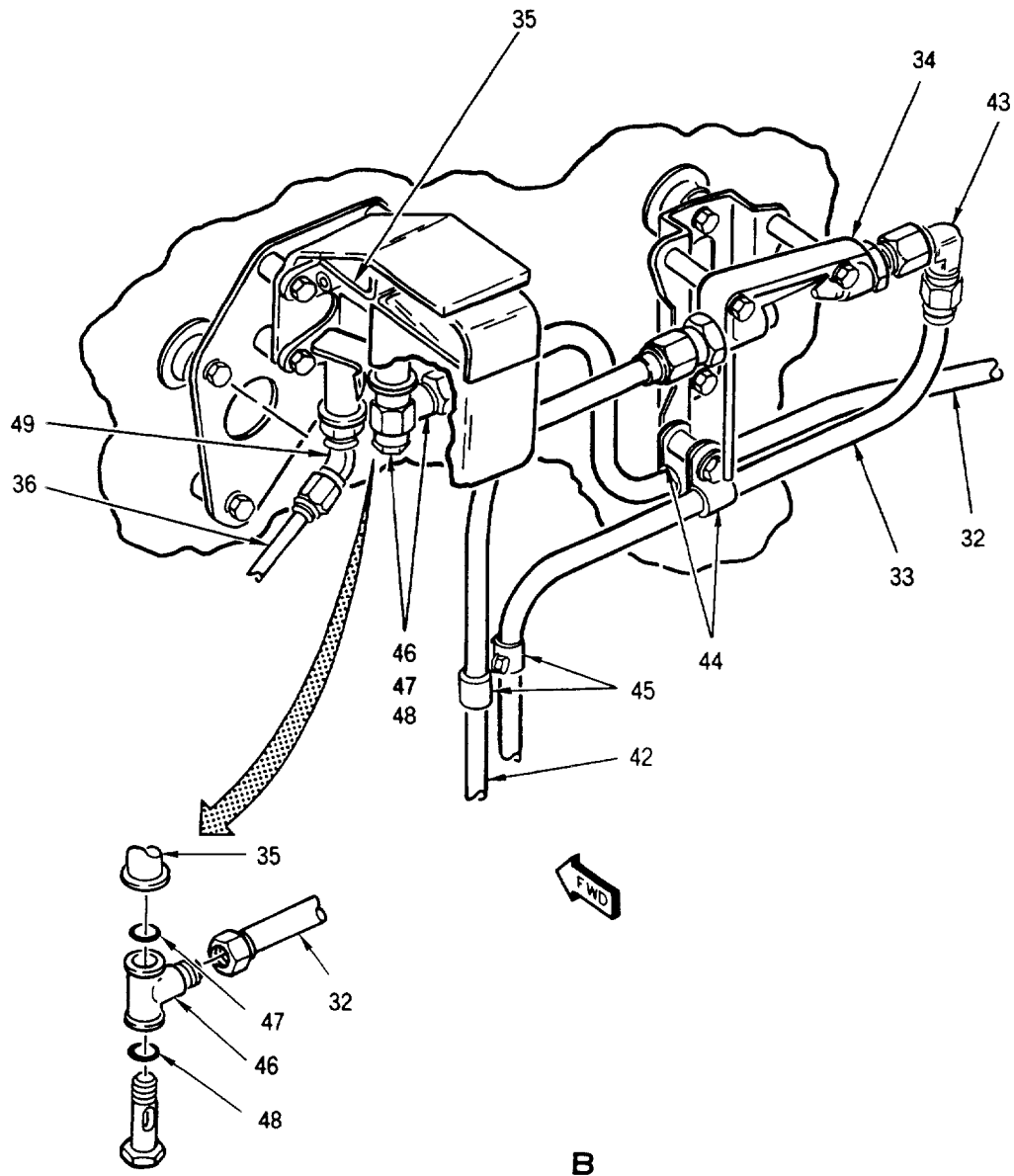
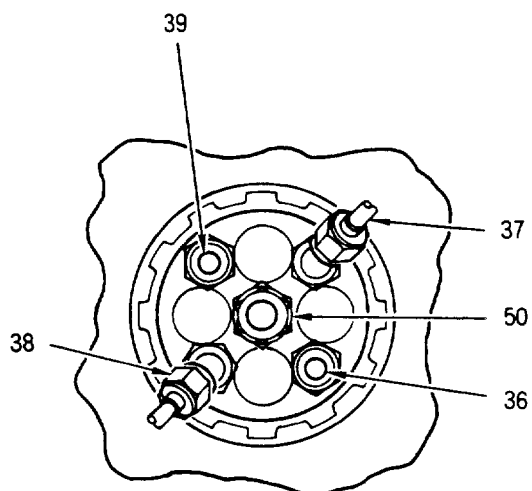
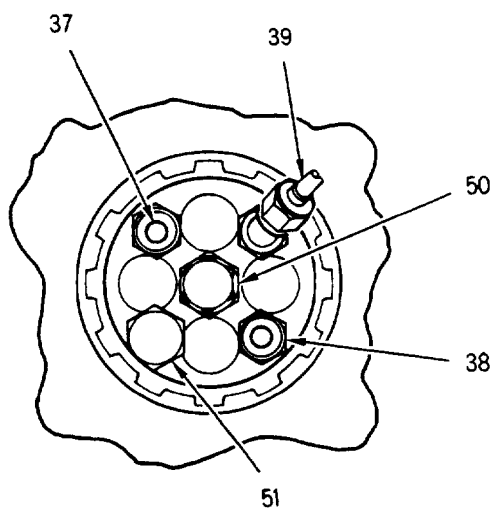


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 5)



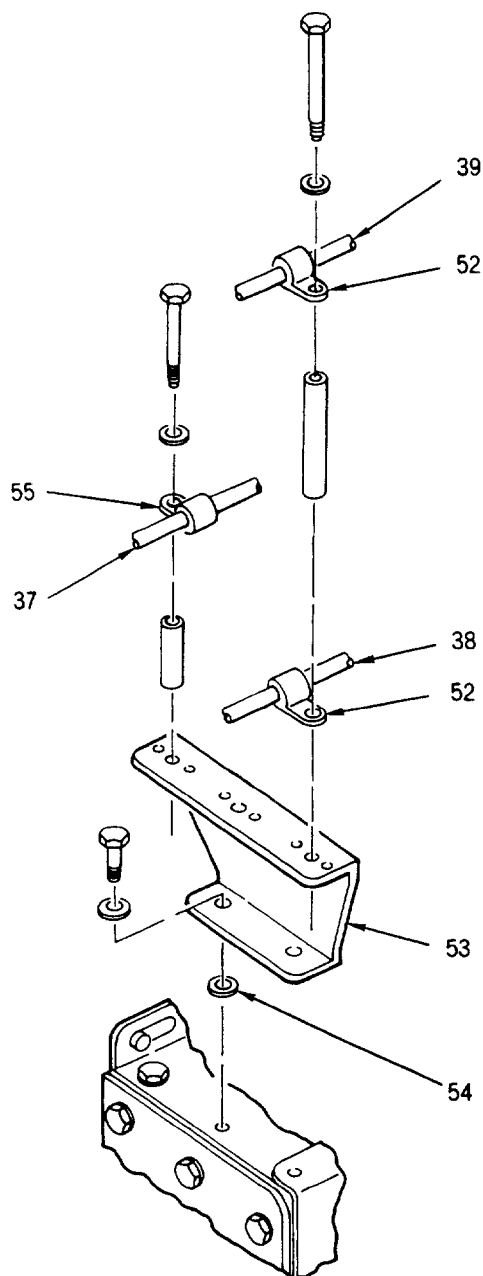
LOOKING FWD

C



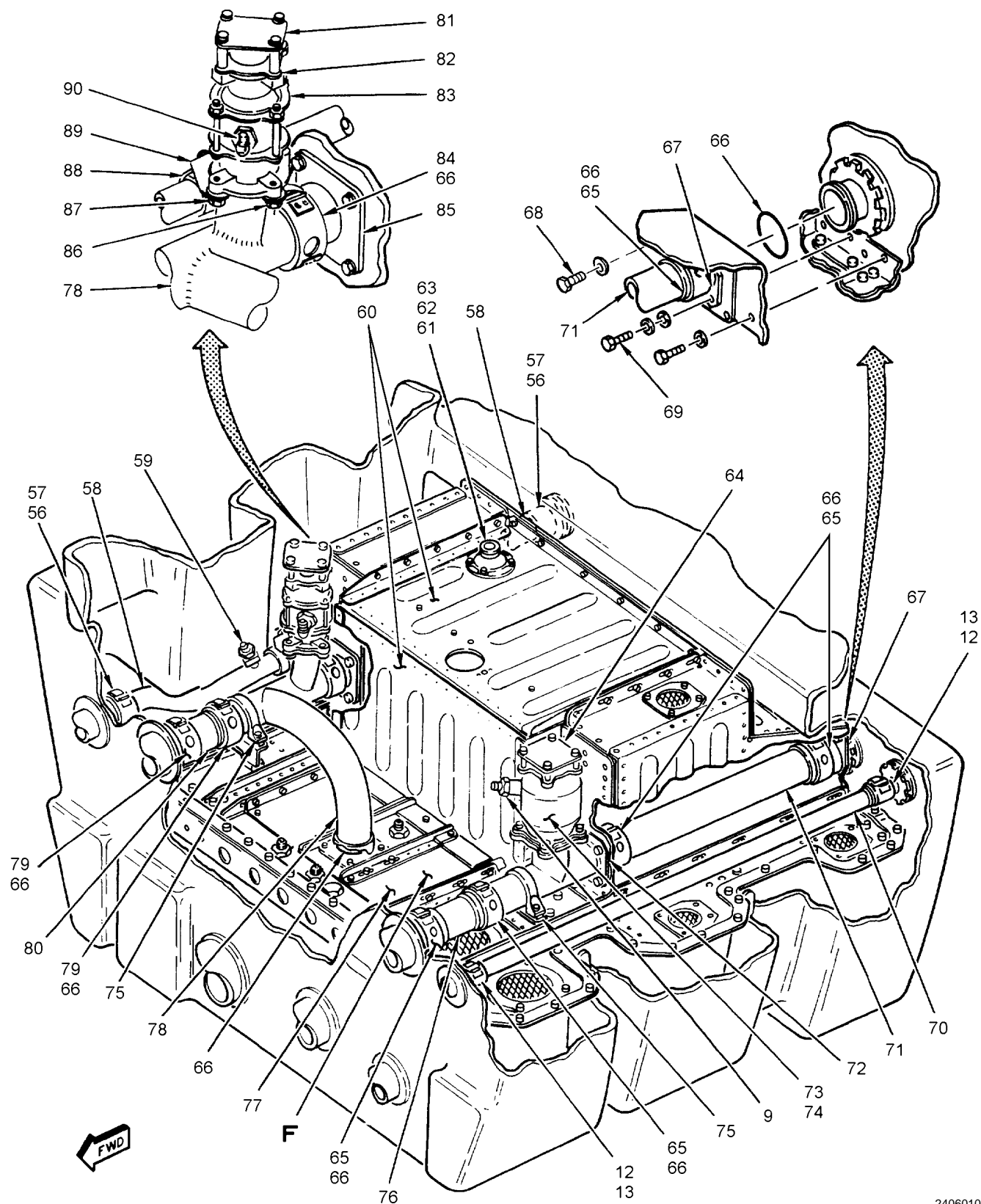
LOOKING AFT

D



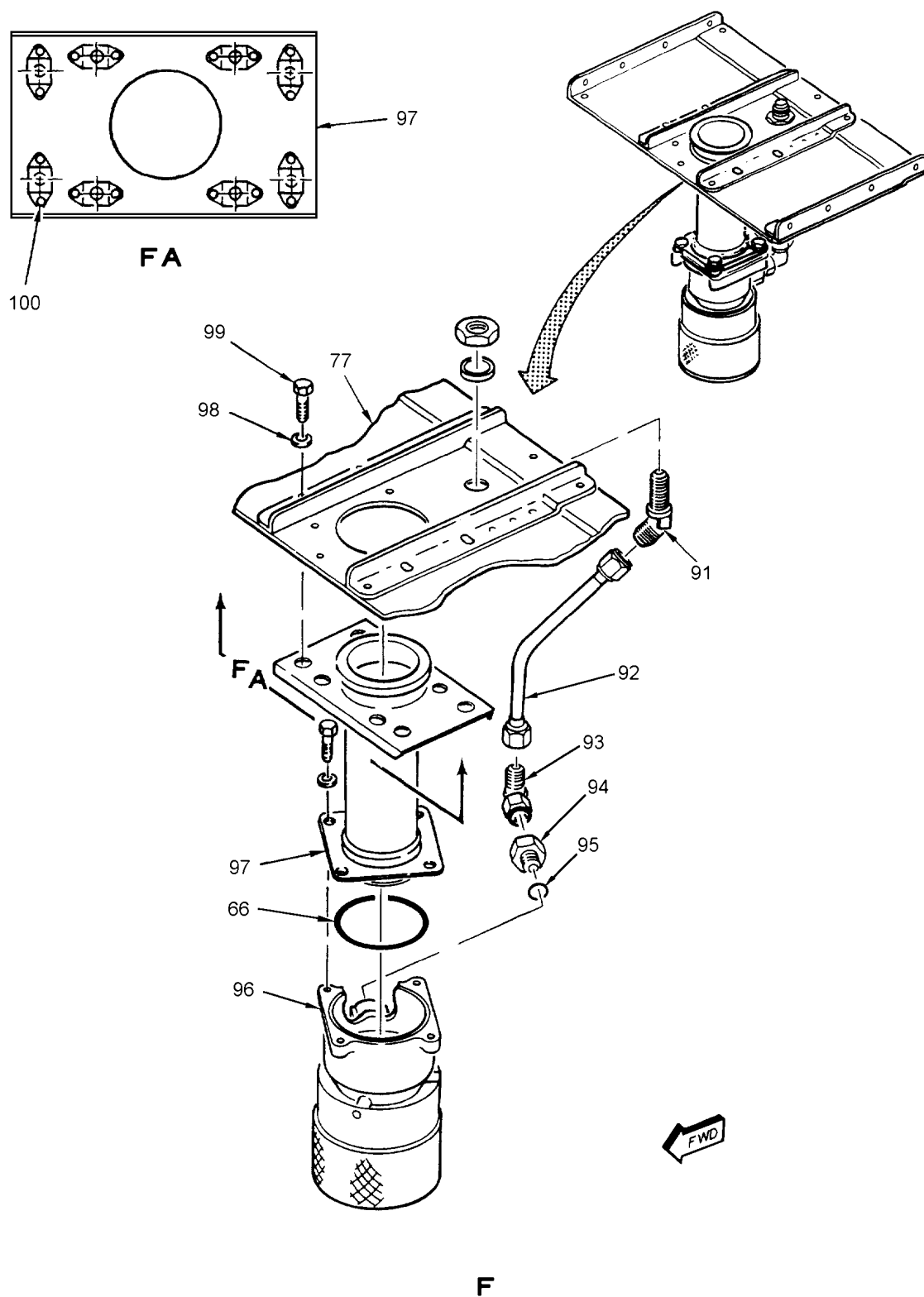
E

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 6)



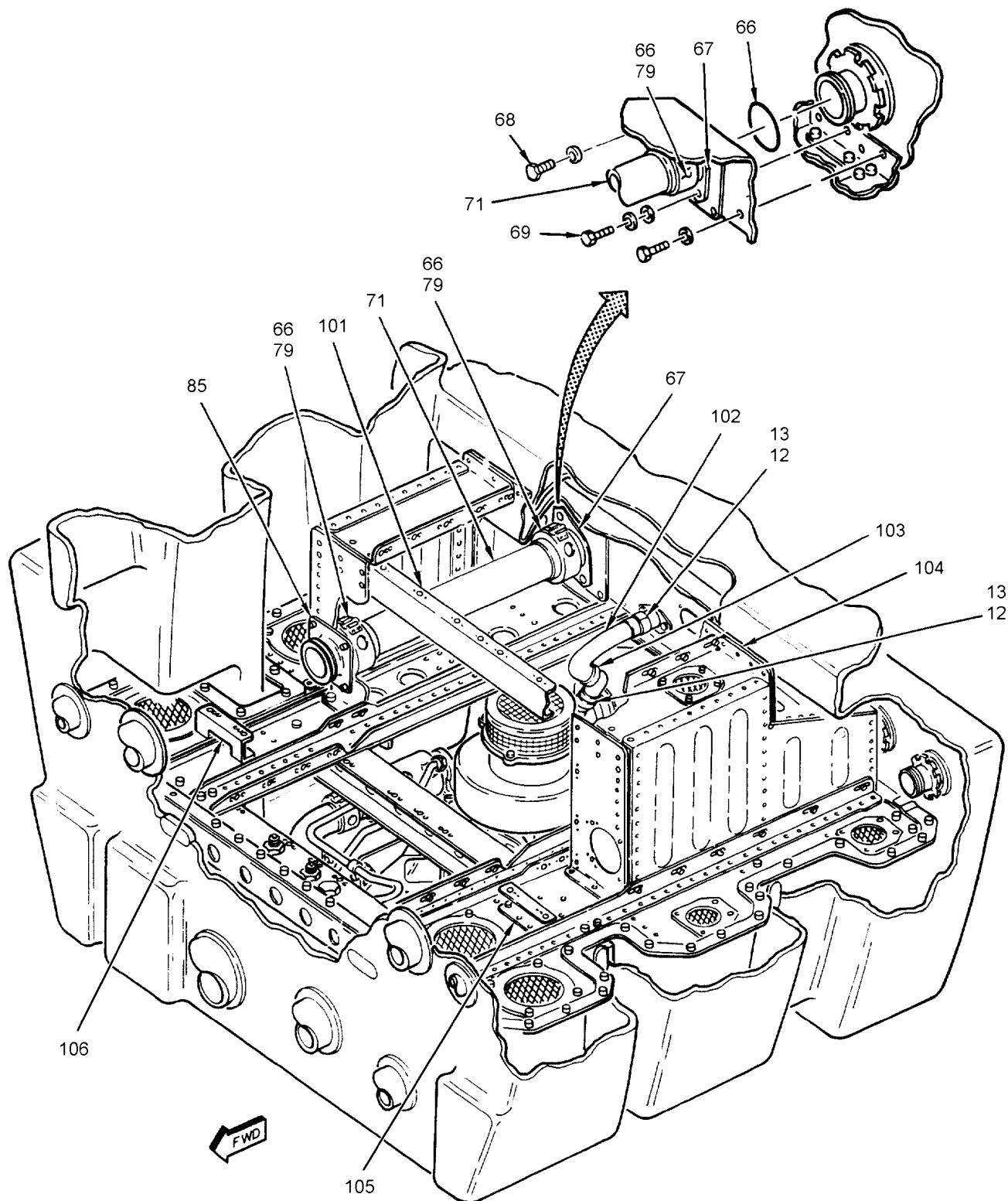
24060107

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 7)



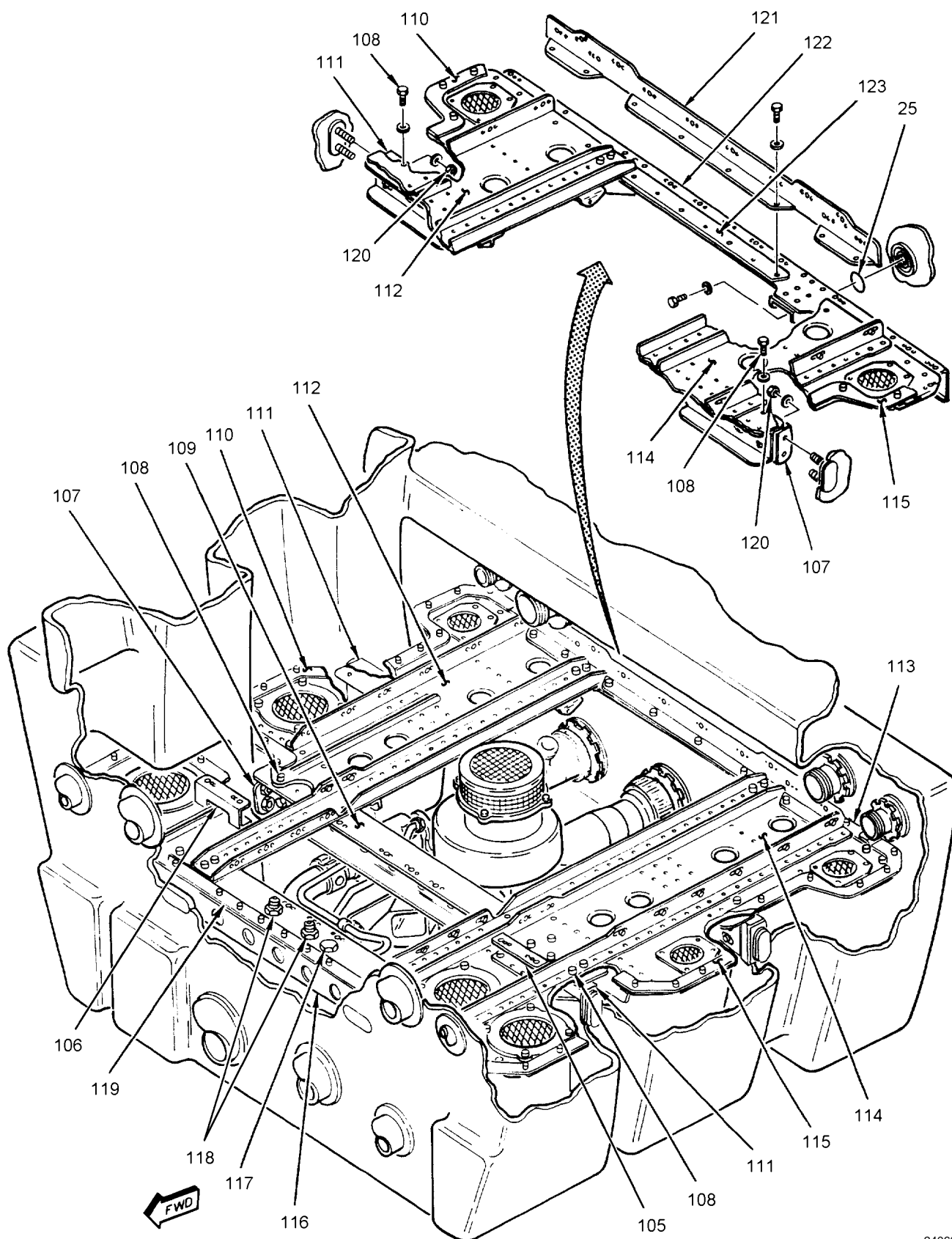
24060108

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 8)



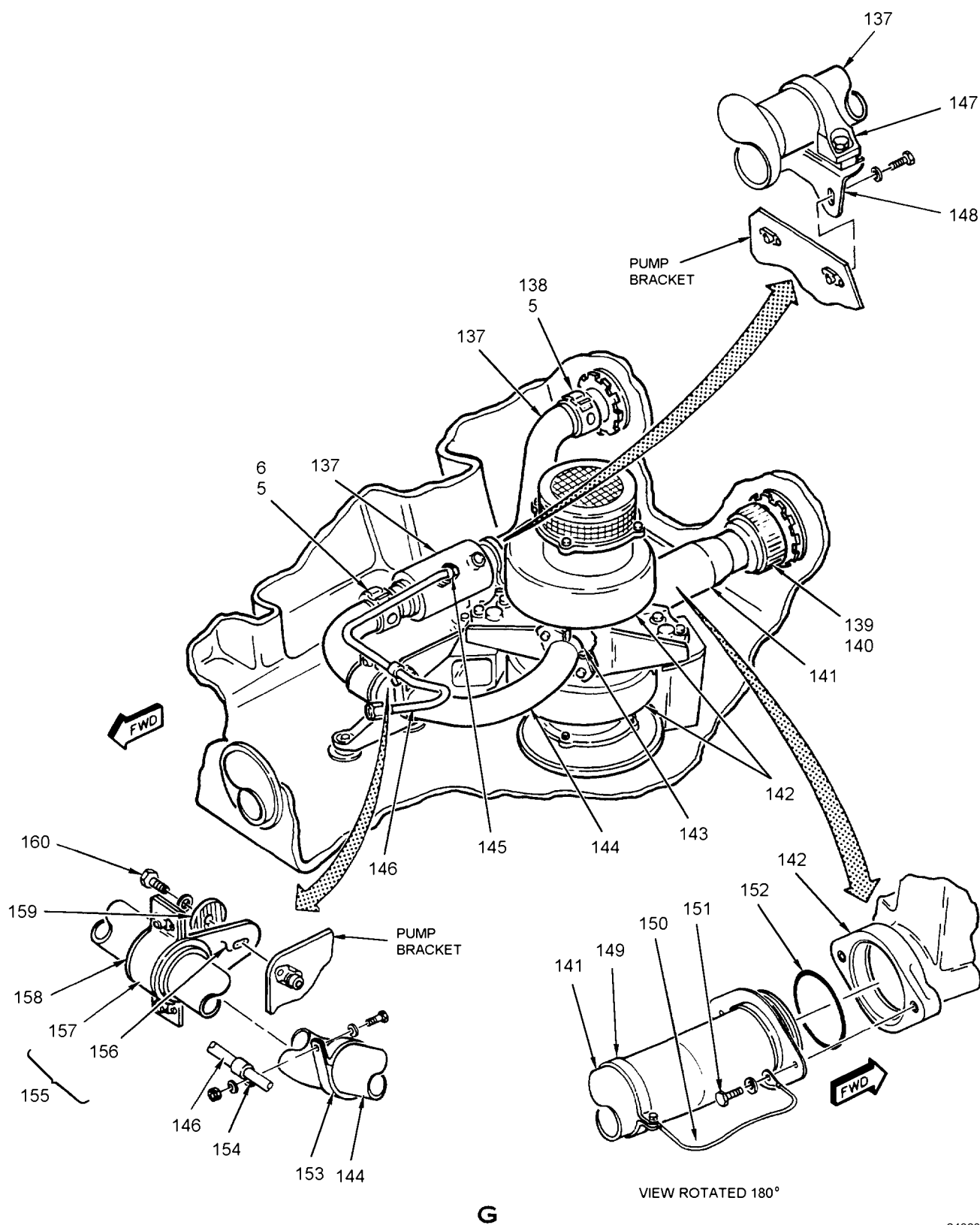
24060109

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 9)



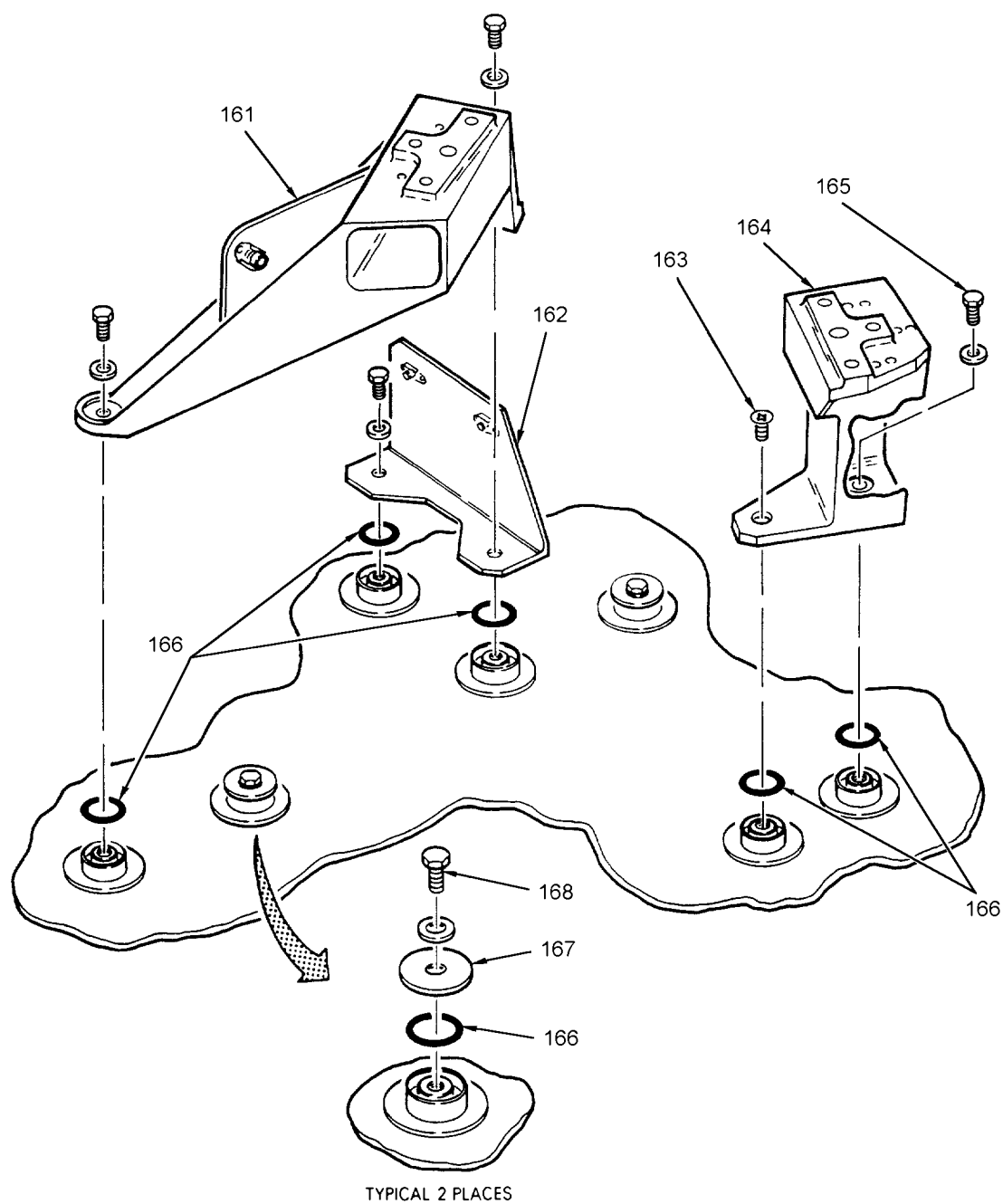
24060110

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 10)



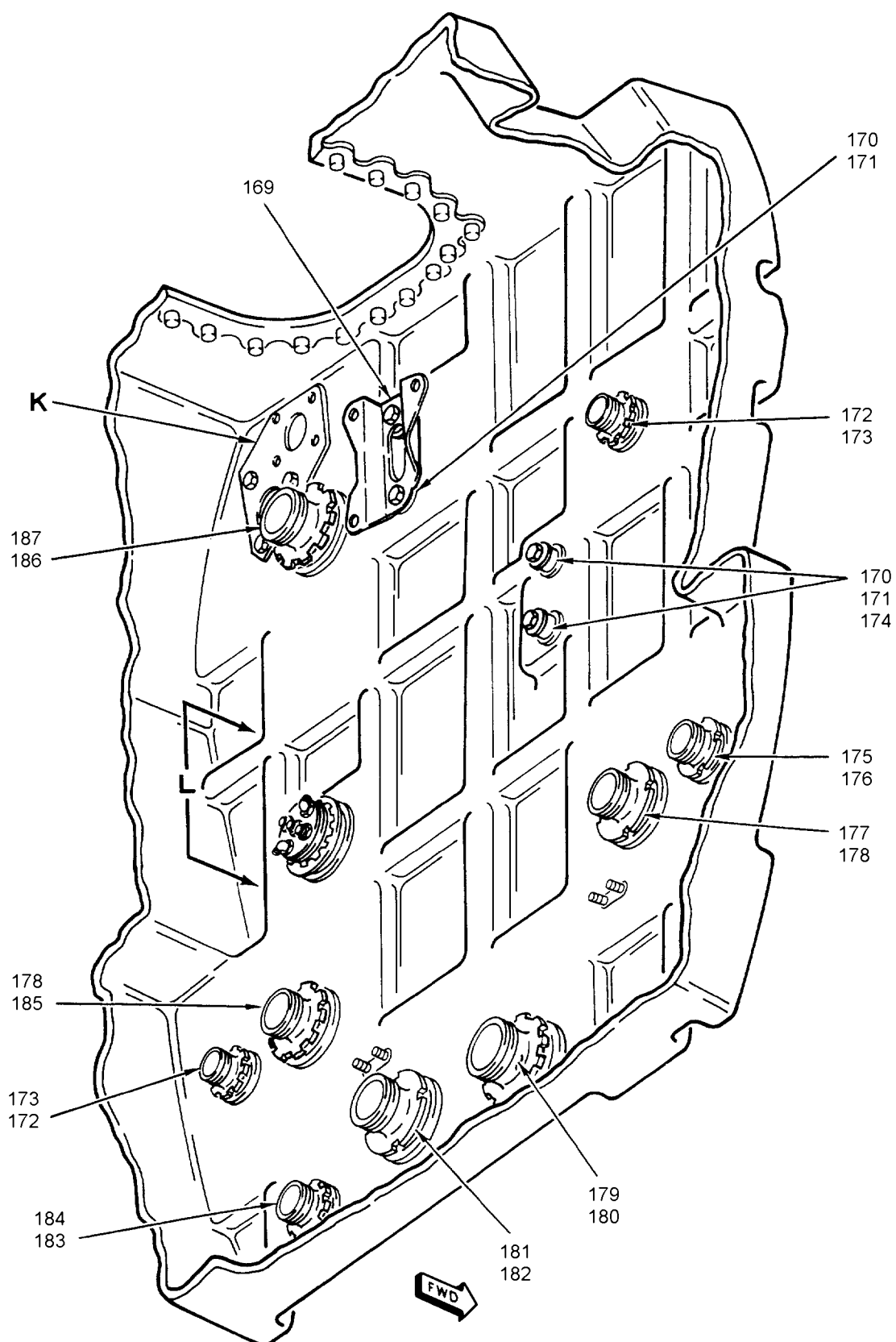
24060112

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 12)



H

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 13)



24060114

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 14)

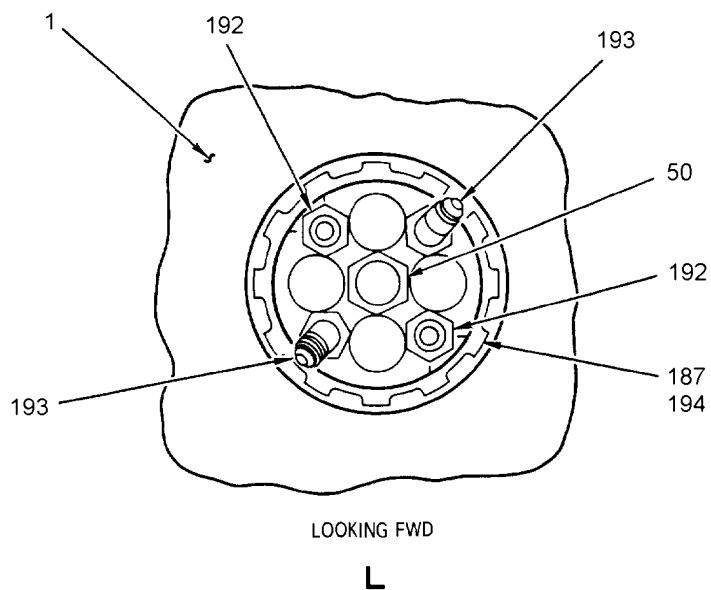
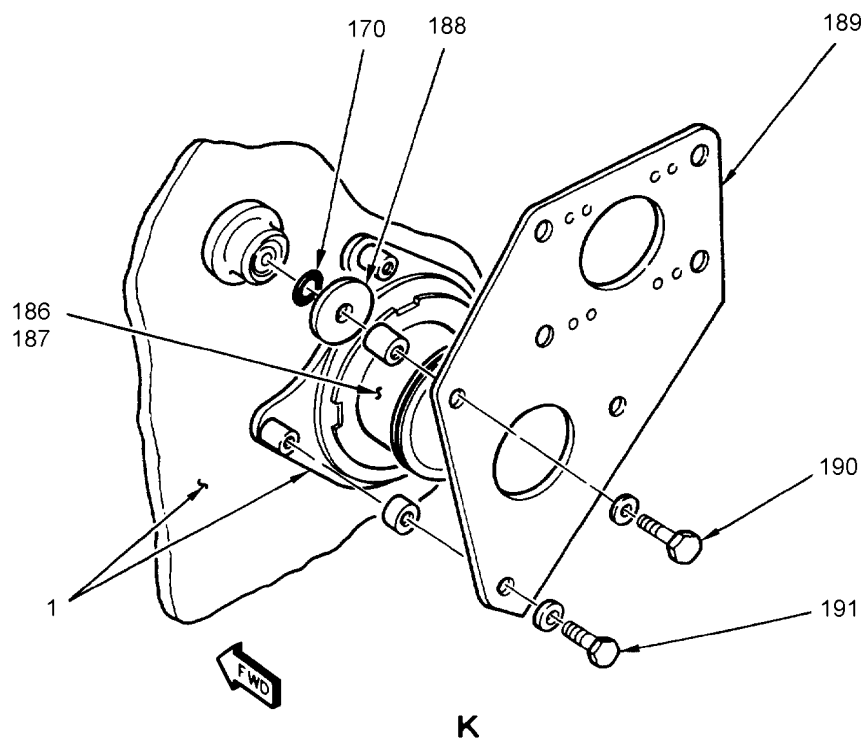


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 15)

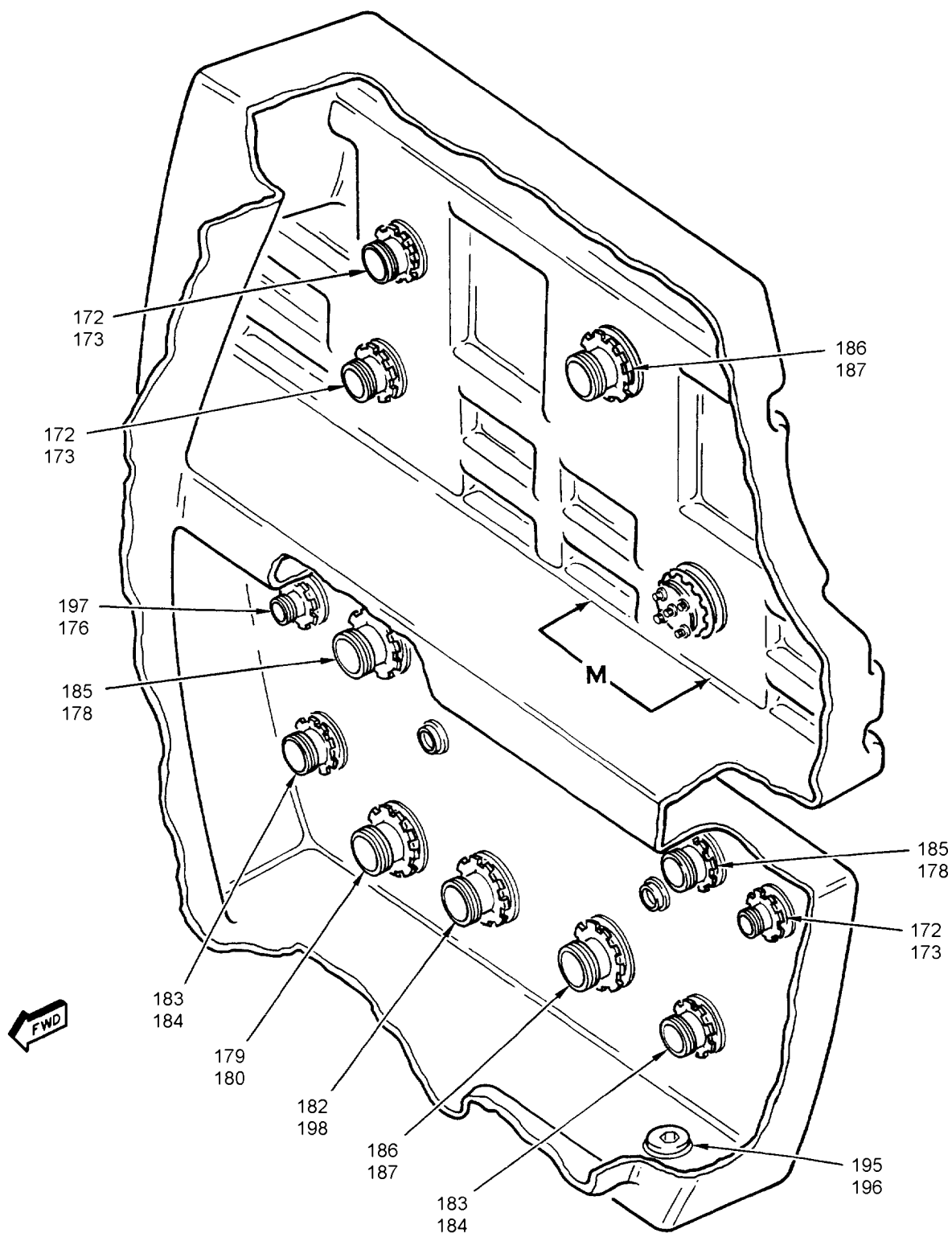


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 16)

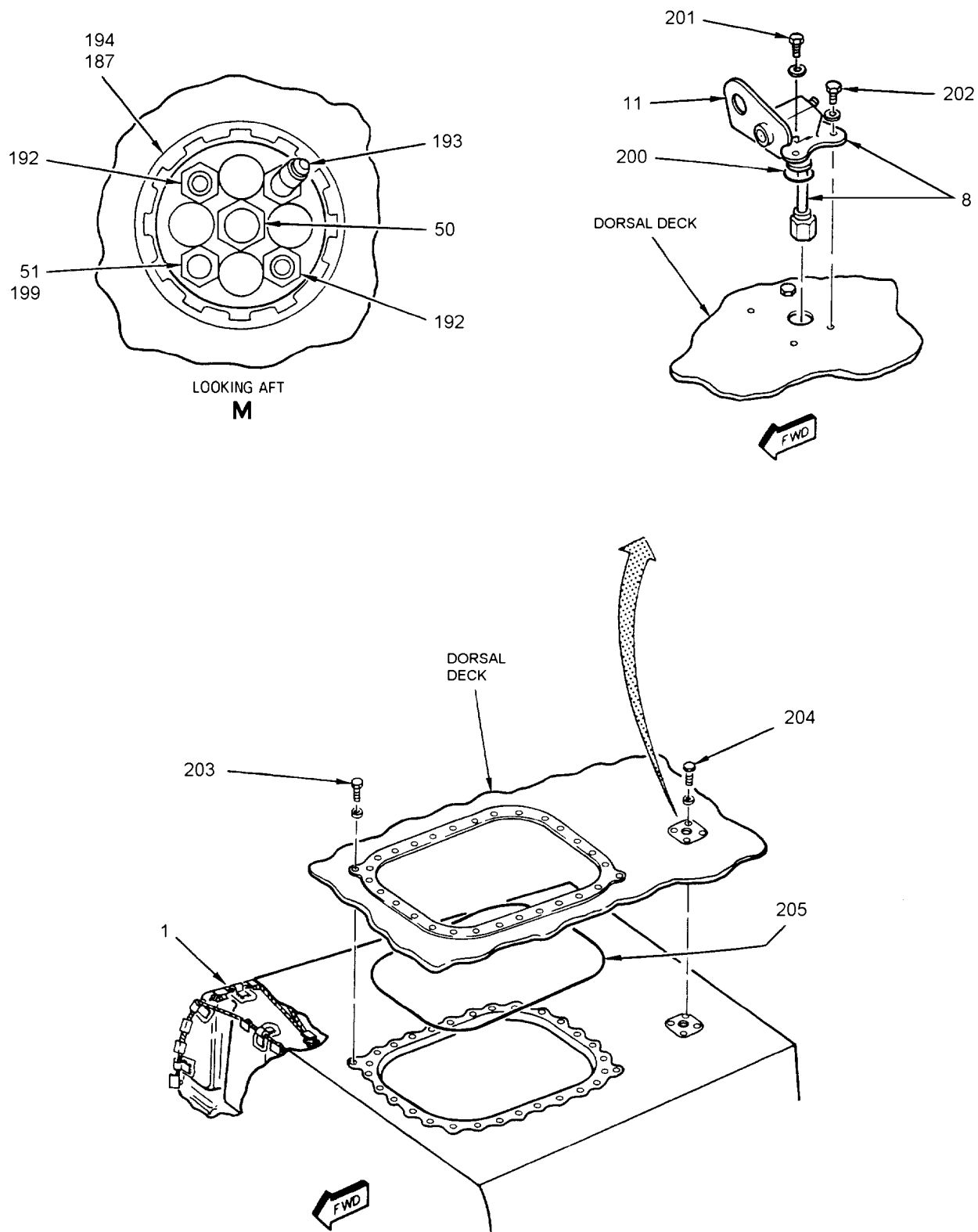


Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 17)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 3 FUEL TANK (5CAP510) (PARTS KIT AVAILABLE)			
1	62003-5 ϕ	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 3 (NO. 3 FUEL TANK) (05476) (MCDONNELL SPEC 74-580162-217) (5CAP510)	1	*	PAODD
	FCR-63258 ϕ	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 3 (NO. 3 FUEL TANK) (00333) (MCDONNELL SPEC 74-580162-217) (5CAP510)	1	*	PAODD
2	MS27467T11B35S	. CONNECTOR, PLUG (5P-P136)	1		PAOZZ
3	74A586694-2003	. ADAPTER (76301)	1		XBOZZ
4	KJL7YC103451-3	. CONNECTOR, RECEPTACLE, ELECTRICAL (71468) (MCDONNELL SPEC 5M1701-11D35PN) (INCLUDES NUT) (5J-P136)	1	*	PAOZZ
	92344-01	. SEE ABOVE (14283)	1	*	PAOZZ
5	MS29513-222	. PACKING	9		PAOZZ
6	W901K24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	2	*	PAOZZ
	14J12-24A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	2	*	PAOZZ
	W901F24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	2	*	PAOZZ
7	74A586694-1001	. ADAPTER - JUNCTION BOX, ELECTRICAL, FUEL SYS (76301)	1		XBOZZ
8	74A586255-1009	. ELBOW, TUBE - 0.50 IN. LINE, VENT FUEL SYSTEM (76301)	1		XBOZZ
9	7M637BD-6D	. NIPPLE (76301)	2		PAOZZ
10	74A586688-1003	. TUBE ASSEMBLY, METAL - GRAVITY FEED CONDUIT LINE, TANK 3 (76301) (SUPERSEDES 74A586688-1001)	1		MGOZZ
11	74A586244-2093	. BRACKET (76301)	1		XBOZZ
12	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	5		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	5		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	5	*	PAOZZ
13	MS29513-214	. PACKING	10		PAOZZ
14	74A586336-1011	. TUBE ASSEMBLY, METAL - WING REFUEL, TANK 3 BYPASS (76301)	1		XBOZZ
15	W901K40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	4	*	PAOZZ
16	MS29513-230	. PACKING	8		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 18)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
17	74A586314-1005	.	TUBE ASSEMBLY, METAL - VENT, AFT,						1		XBOZZ
			INVERTED FLT COMPT, TK 3 (76301)								
18	74A586381-1001	.	TUBE ASSY - CLIMB VENT, FUEL TANK NO. 3 . . .						1		XBOOO
			(76301)								
	NS103597-02	.	NUT, SELF-LOCKING, PLATE (80539)						2	*	PAOZZ
			(MCDONNELL SPEC ST3M470C3M)								
			(USE WITH INDEX 18)								
	F10965-1-3	.	NUT, SELF-LOCKING, PLATE (72962)						2	*	PAOZZ
			(MCDONNELL SPEC ST3M470C3M)								
			(USE WITH INDEX 18)								
	F29339-01-3	.	NUT, SELF-LOCKING, PLATE (15653)						2	*	PAOZZ
			(MCDONNELL SPEC ST3M470C3M)								
			(USE WITH INDEX 18)								
	MS20426AD3 #	.	RIVET (AP) (USE WITH INDEX 18)						2		-
19	74A586321-1011	.	MAIN VENT ASSEMBLY (NO. 3 FUEL TANK						1		PAOZZ
			DIVE VENT CHECK VALVE) (76301)								
			(5VAP582)								
	74A585003-2001	.	MAIN VENT ASSEMBLY (NO. 3 FUEL TANK						1	*	PAOZZ
			DIVE VENT CHECK VALVE) (76301)								
			(5VAP582)								
	NAS1802-06-7	.	SCREW (USE WITH INDEX 19)						2		PAOZZ
	AN960JD6L	.	WASHER (USE WITH INDEX 19)						2		PAOZZ
	NAS1291C06M	.	NUT (USE WITH INDEX 19)						2		PAOZZ
20	74A586297-2001	.	GUIDE, PROBE - FUEL QTY, TANK 2 & 3 (76301) .						1		XBOZZ
21	74A586556-2001	.	GASKET, PROBE GUIDE - RAISED INVERTED . . .						1		MDOZZ
			BAFFLE TK. 2 & TK. 3 (76301)								
22	NAS673V7	.	BOLT						1		PAOZZ
	4M36-01016	.	WASHER, FLAT (76301) (USE WITH INDEX 22) . .						2		PAOZZ
	NAS43DD3-11	.	SPACER (USE WITH INDEX 22)						1		PAOZZ
23	NAS673V5	.	BOLT						1		PAOZZ
	4M36-01016	.	WASHER, FLAT (76301) (USE WITH INDEX 23) . .						2		PAOZZ
	NAS43DD3-11	.	SPACER (USE WITH INDEX 23)						1		PAOZZ
24	NAS673V6	.	BOLT						1		PAOZZ
	4M36-01016	.	WASHER, FLAT (76301) (USE WITH INDEX 24) . .						2		PAOZZ
	NAS43DD3-11	.	SPACER (USE WITH INDEX 24)						1		PAOZZ
25	M25988/1-312	.	PACKING						3		PAOZZ
26	74A586244-2005	.	WASHER (RETAINER) (76301)						1		PAOZZ
27	MS25281-R16	.	CLAMP						1		PAOZZ
	NAS673V18	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ
	NAS43DD3-53	.	SPACER (AP)						1		PAOZZ
28	MS25281-R16	.	CLAMP						2		PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ
	NAS1291C3M	.	NUT (AP)						1		PAOZZ
29	MS25281-6	.	CLAMP						1		PAOZZ
30	MS25281-R16	.	CLAMP						1		PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT AND NUT)						2		PAOZZ
	NAS1291C3M	.	NUT (AP)						1		PAOZZ
31	74A586669-1017	.	TUBE ASSEMBLY, METAL - PRESS SENR TO						1		MGOZZ
			DEFUEL LINE, TK 3 (76301)								
32	74A586341-1015	.	TUBE ASSEMBLY, METAL - PILOT VALVE RH . . .						1		MGOZZ
			PORT TO REFUEL V (76301)								
33	74A586383-1007	.	TUBE ASSEMBLY, METAL - FUEL LEVEL						1		AGOGG
			SENSOR, TK NO. 3 (76301)								

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 19)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
34	2760009-105	.	SENSOR, FUEL LEVEL JET OPERATED (NO. 3						1		PAOZZ
			FUEL TANK FUEL LEVEL SENSOR) (92003)								
			(MCDONNELL SPEC 74-580123-105)								
			(5VAP590)								
	NAS673V32	.	BOLT (AP)						2		PAOZZ
	AN960JD10	.	WASHER (AP)						2		PAOZZ
	NAS43DD3-76	.	SPACER (AP)						2		PAOZZ
35	2800095-101	.	VALVE, PILOT, FUEL LEVEL (NO. 3 FUEL						1		PAOZZ
			TANK HIGH LEVEL PILOT VALVE) (92003)								
			(MCDONNELL SPEC 74-580108-221)								
			(5VAP583)								
	2800018-101	.	VALVE, PILOT, FUEL LEVEL (NO. 3 FUEL						1	*	PAOZZ
			TANK HIGH LEVEL PILOT VALVE) (92003)								
			(MCDONNELL SPEC 74-580108-211)								
			(5VAP583)								
	NAS674V9	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
	NAS43DD4-20	.	SPACER (AP)						4		PAOZZ
	74A585762-2001 ††	.	SHIELD, FLOAT VA NO. 3 (76301) (USE WITH								
			INDEX 35)								
36	74A586362-1013	.	TUBE ASSEMBLY, METAL - TANK 3 PRE						1		MGOZZ
			CHECK, Y422 UN - FLT VALVE (76301)								
37	74A586339-1009	.	TUBE ASSEMBLY, METAL - PRECHECK, TANK . . .						1		MGOZZ
			4 Y422 UN - Y450 UN (76301)								
38	74A586360-1009	.	TUBE ASSEMBLY, METAL - PRECHECK, RH						1		MGOZZ
			WING, Y422, UN - Y450 (76301)								
39	74A586361-1009	.	TUBE ASSEMBLY, METAL - LH WING, Y422,						1		MGOZZ
			UN - Y450 UN (76301)								
40	MS25281-4	.	CLAMP						3		PAOZZ
	NAS673V2	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT AND UNDER						2		PAOZZ
			NUT)								
	NAS1291C3M	.	NUT (AP)						1		PAOZZ
41	MS25281-6	.	CLAMP						3		PAOZZ
42	74A586354-1001	.	TUBE ASSEMBLY, METAL - JET LEVEL						1		XBOZZ
			SENSOR, FUEL TK NO. 3 (76301)								
43	7M148V6	.	ELBOW (76301)						1		PAOZZ
44	MS25281-6	.	CLAMP						2		PAOZZ
	NAS673V16	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ
	NAS43DD3-36	.	SPACER (AP)						1		PAOZZ
45	MS25281-6	.	CLAMP						2		PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ
	NAS1291C3M	.	NUT (AP)						1		PAOZZ
46	7M131-6V	.	CONNECTOR, MULTIPLE (76301)						1		PAOZZ
	7M130-6D	.	BOLT, FLUID PASSAGE (AP) (76301)						1		PAOZZ
47	M529512-06	.	PACKING						1		PAOZZ
48	M529513-110	.	PACKING						1		PAOZZ
49	7M637BY-4D	.	ELBOW (76301)						1		PAOZZ
	AN6289D4	.	NUT (USE WITH INDEX 49)						1		PAOZZ
	MS29512-04	.	PACKING (USE WITH INDEX 49)						1		PAOZZ
	M528773-04	.	RETAINER (USE WITH INDEX 49)						1		PAOZZ
50	AN814-6D	.	PLUG						2		PAOZZ
	M529512-06	.	PACKING (USE WITH INDEX 50)						2		PAOZZ
51	AN929-6	.	PLUG						1		PAOZZ
52	M525281-4	.	CLAMP						2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 20)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS673V36	. BOLT (AP)	1		PAOZZ
	AN960JD10	. WASHER (AP)	1		PAOZZ
	NAS43DD3-121	. SPACER (AP)	1		PAOZZ
53	74A586387-1081	. BRACKET ASSY (76301) (FOR REPAIR SEE WP 024 05)	1		XBOOO
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT)	2		PAOZZ
	F50339-3-1	. NUT, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1) (USE WITH INDEX 53)	3		PAOZZ
	F12090-1-3	. NUT, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1) (USE WITH INDEX 53)	3		PAOZZ
	NAS1079AD3 #	. RIVET (AP)	2		-
54	AN960JD10	. WASHER (UNDER BRACKET)	1		PAOZZ
55	MS25281-4	. CLAMP	1		PAOZZ
	NAS673V20	. BOLT (AP)	1		PAOZZ
	AN960JD10	. WASHER (AP)	1		PAOZZ
	NAS43DD3-64	. SPACER (AP)	1		PAOZZ
56	W901R20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2		PAOZZ
	14J12-20A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
57	MS29513-218	. PACKING	4		PAOZZ
58	74A586316-1009	. TUBE ASSEMBLY, METAL - MF PRESS TO TANK 1, TANK 3 BYPASS (76301)	1		XBOZZ
59	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 59)	1		PAOZZ
60	74A586315-2015	. CENTER PANEL ASSY (76301) (FOR REPAIR SEE WP024 05)	1		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
61	74A586248-2007	. CONNECTOR, FLANGE (FITTING) (76301)	1		XBOZZ
	NAS1802-06-9	. SCREW (AP)	4		PAOZZ
	AN960JD6L	. WASHER (AP)	8		PAOZZ
	NAS1291C06M	. NUT (AP)	4		PAOZZ
62	55-6004	. DISK ASSEMBLY, VALVE, CHECK, FUEL SYSTEM, GRAVITY FEED (NO. 3 FUEL TANK INVERTED FLIGHT VENT CHECK VALVE) (96736) (MCDONNELL SPEC 74J588006-109) (5VAR678)	1	*	PAOZZ
	20C112-109	. SEE ABOVE (82829)	1	*	PAOZZ
63	74A586248-2013	. RESTRICTOR (76301)	1		XBOZZ
64	74A586309-2101	. DEFLECTOR (76301)	1		XBOZZ
	NAS674V18	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
	NAS43DD4-76	. SPACER (AP)	4		PAOZZ
65	W901K32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	3	*	PAOZZ
	14J12-32A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	3	*	PAOZZ
66	MS29513-226	. PACKING	17		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 21)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
67	74A586248-2003 φ	.	CONNECTOR, FLANGE (76301)						2		XBOZZ
68	NAS674V5	.	BOLT (AP) (LEFT SIDE, RIGHT SIDE)						2		PAOZZ
69	NAS674V6	.	BOLT (AP) (LEFT SIDE, RIGHT SIDE)						2		PAOZZ
	4M36-01016	.	WASHER, FLAT (AP) (76301)						4		PAOZZ
	NAS43DD3-8	.	SPACER (AP)						4		PAOZZ
70	74A586337-1005	.	TUBE ASSEMBLY, METAL - VENT TANK						1		XBOZZ
			SCAV LINE THRU TANK 3 (76301)								
71	74A586338-1001	.	TUBE ASSEMBLY, METAL - XFR & DEFUEL						2		XBOZZ
			LINES, FTK NO. 2 & 3 (76301)								
72	74A586272-2011	.	TEE ASSEMBLY, TRANSFER VALVE - TANK						1		XBOZZ
			NO. 2 (76301) (SUPERSEDES 74A586272-1001 AND 74A586272-1003)								
	NAS673V4	.	BOLT (AP)						4		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT)						4		PAOZZ
	4M36-01016	.	WASHER, FLAT (AP) (76301) (UNDER BOLT)						4		PAOZZ
	NAS43DD3-8	.	SPACER (AP) (UNDER BOLT)						4		PAOZZ
73	2760008-117	.	VALVE, SHUTOFF - FUEL TRANSFER (TANK 3)						1		PAOZZ
			(NO. 3 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580163-117) (5VAP605)								
	2760008-115	.	SEE ABOVE (MCDONNELL SPEC						1	*	PAOZZ
			74-580163-115)								
	2760008-111	.	SEE ABOVE (MCDONNELL SPEC						1	*	PAOZZ
			74-580163-111)								
	NAS674V5	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 73)						1		PAOZZ
74	MS29513-229	.	PACKING						1		PAOZZ
75	NAS1787A32G	.	CLAMP						2		PAOZZ
	NAS673V9	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
76	74A586338-1005	.	TUBE ASSEMBLY, METAL - XFR & DEFUEL						1		XBOZZ
			LINES, FTK NO. 2 & 3								
77	74A586315-2023	.	FRONT PANEL ASSY (76301) (FOR REPAIR						1		XBOOO
			SEE WP024 05)								
	NAS673V4	.	BOLT (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
78	74A586317-1005	.	MANIFOLD, FUEL, AIRCRAFT - FUEL TANK						1		XBOZZ
			NO. 3 (76301) (SUPERSEDES 74A586317-1001)								
	NAS673V4	.	BOLT (AP)						4		PAOZZ
	AN960JD10L	.	WASHER (AP)						4		PAOZZ
79	W901K32DE	.	COUPLING, CLAMP, GROOVED (79326)						4		PAOZZ
			(MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)								
	14J12-32A	.	COUPLING, CLAMP, GROOVED (24984)						4		PAOZZ
			(MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)								
	W901F32DE	.	COUPLING, CLAMP, GROOVED (79326)						4	*	PAOZZ
			(MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)								
80	74A586216-1005	.	TUBE ASSEMBLY, METAL - REFUEL, TANK						1		XBOZZ
			NO. 2 (76301)								
81	74A586309-2015	.	DEFLECTOR (76301)						1		XBOZZ
	NAS674V16	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
	NAS43DD4-61	.	SPACER (AP)						4		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 22)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
82	74A581029-2001	.	RESTRICTOR, FLUID FLOW PRESSURE	.....					1		MGOZZ
			FUELING LINE (76301)								
83	2760113-113	.	VALVE, CHECK - REFUEL LEVEL (NO. 3 FUEL	...					1		PAOZZ
			TANK FUEL LEVEL CONTROL SHUTOFF								
			VALVE) (92003) (MCDONNELL SPEC								
			74-580108-223) (5VAP610)								
	2760113-111	.	VALVE, CHECK - REFUEL LEVEL (NO. 3 FUEL	...					1	*	PAOZZ
			TANK FUEL LEVEL CONTROL SHUTOFF								
			VALVE) (92003) (MCDONNELL SPEC								
			74-580108-217) (5VAP610)								
	2760113-109	.	SEE ABOVE (MCDONNELL SPEC	.....					1	*	PAOZZ
			74-580108-215)								
	MS29513-224	.	PACKING (USE WITH INDEX 83)	.....					1		PAOZZ
84	W904K32DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326)	..					1		PAOZZ
			(MCDONNELL SPEC 7M765-32D1)								
	14C12-32A	.	COUPLING, CLAMP, GROOVED (HALF) (24984)	..					1		PAOZZ
			(MCDONNELL SPEC 7M765-32D1)								
	W904F32DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326)	..					1	*	PAOZZ
			(MCDONNELL SPEC 7M550-32D1)								
85	74A586248-2001	.	CONNECTOR, FLANGE (FITTING) (76301)	.....					1		XBOZZ
	NAS674V3	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416L	.	WASHER (AP) (76301)	.....					4		PAOZZ
86	NAS674V5	.	BOLT	.....					1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 86)	.....					1		PAOZZ
87	NAS674V6	.	BOLT	.....					3		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 87)	.....					3		PAOZZ
88	MS25281-R20	.	CLAMP	.....					1		PAOZZ
	NAS673V3	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					1		PAOZZ
89	74A586323-1035	.	BRACKET ASSY (76301)	.....					1		XBOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 89)	.....					1		PAOZZ
	NAS1079AD3 #	.	RIVET (AP)	.....					2		-
90	7M148V6	.	ELBOW (76301)	.....					1		PAOZZ
	7M637BD-6D	.	NIPPLE (76301) (USE WITH INDEX 90)	.....					1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 90)	.....					1		PAOZZ
91	7M637BY-6D	.	ELBOW (76301)	.....					1		PAOZZ
	AN960JD916L	.	WASHER (AP)	.....					1		PAOZZ
	AN924-6D	.	NUT (AP)	.....					1		PAOZZ
92	74A587124-1009	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW	.....					1		MGOZZ
			TO DEFUEL VALVE, TK 3 (76301)								
			74A587124-1007)								
93	7M148V6	.	ELBOW (76301)	.....					1		PAOZZ
94	7M637BD-6D	.	NIPPLE (76301)	.....					1		PAOZZ
95	MS29512-06	.	PACKING	.....					1		PAOZZ
96	741100-103A	.	VALVE, FLOAT, AIRCRAFT - FUEL TANK,	.....					1		PAOZZ
			DEFUELING (DEFUEL VALVE) (96124)								
			(MCDONNELL SPEC 74-580111-103)								
			(5VAP521)								
	741100-103	.	SEE ABOVE	.....					1	*	PAOZZ
	741100-101	.	VALVE, FLOAT, AIRCRAFT - FUEL TANK,	.....					1	*	PAOZZ
			DEFUELING (DEFUEL VALVE) (96124)								
			(MCDONNELL SPEC 74-580111-101)								
			(5VAP521)								
	NAS674V5	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
97	74A586327-1025	.	TUBE ASSEMBLY, METAL - DEFUEL, TANK	.....					1		XBOOO
			NO. 3 (76301)								

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
98	AN960JD10	.	WASHER (AP)	.....					8		PAOZZ
99	NAS673V4	.	BOLT (AP)	.....					8		PAOZZ
100	F50339-3-2	.	NUT, SELF-LOCKING, PL (15653)	.....					8	*	PAOZZ
			(MCDONNELL SPEC ST3M719C3M2)								
	F12090-2-3	.	SEE ABOVE (72962)	.....					8	*	PAOZZ
	NAS1097AD3 #	.	RIVET (AP)	.....					2		-
101	74A586323-2071	.	STIFFENER ASSY (76301) (FOR REPAIR SEE	.....					1		XBOOO
			WP024 05)								
	NAS673V4	.	BOLT (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
102	74A586314-1007	.	TUBE ASSEMBLY, METAL - VENT, AFT,	.....					1		XBOZZ
			INVERTED FLT COMPT, TK 3 (76301)								
103	MS25281-R16	.	CLAMP	.....					1		PAOZZ
	NAS673V4	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					1		PAOZZ
104	74A586315-2009	.	UPPER ASSY (76301) (FOR REPAIR SEE	.....					1		XBOOO
			WP024 05)								
	NAS674V4	.	BOLT (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
105	74A586387-1121	.	BRACKET ASSY (76301) (FOR REPAIR SEE	.....					1		XBOOO
			WP024 05) (SUPERSEDES 74A586387-1069)								
	NAS673V5	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
106	74A586387-1111	.	BRACKET ASSY (76301) (FOR REPAIR SEE	.....					1		XBOOO
			WP024 05)								
	NAS673V5	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
107	74A586208-1003	.	BRACKET, BAFFLE - FUEL TANK INVERTED	.....					2		XBOOO
			FLIGHT (76301) (R SIDE FWD, L SIDE								
			AFT) (FOR REPAIR SEE WP024 05)								
	NAS673V4	.	BOLT (AP) (THRU BEAM)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
108	NAS673V5	.	BOLT (THRU LEFT AND RIGHT WEB AND	.....					4		PAOZZ
			BAFFLE BRACKETS)								
	AN960JD10L	.	WASHER (USE WITH INDEX 108)	.....					4		PAOZZ
109	74A586387-1109	.	CHANNEL ASSY, CENTER (76301) (FOR	.....					1		XBOOO
			REPAIR SEE WP024 05)								
110	74A586323-2061	.	RETAINER (76301)	.....					1		XBOZZ
	NAS1351C3-10	.	SCREW (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
111	74A586208-1004	.	BRACKET, BAFFLE - FUEL TANK INVERTED	.....					2		XBOOO
			FLIGHT (76301) (L SIDE FWD, R SIDE								
			AFT) (FOR REPAIR SEE WP024 05)								
	NAS673V4	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
112	74A586315-2007	.	WEB ASSY, RH (76301) (FOR REPAIR SEE	.....					1		XBOOO
			WP024 05)								
	NAS673V4	.	BOLT (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
113	74A586323-2039	.	RETAINER (76301)	.....					1		XBOZZ
	NAS1351C3-10	.	SCREW (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ
114	74A586315-2005	.	WEB ASSY, LH (76301) (FOR REPAIR SEE	.....					1		XBOOO
			WP024 05)								
	NAS673V4	.	BOLT (AP)	.....					AR		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					AR		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 24)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
115	74A586323-2059	.	RETAINER (76301)						1		XBOZZ
	NAS1351C3-10	.	SCREW (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
116	74A586315-2001	.	FWD CHANNEL ASSY (76301) (FOR REPAIR SEE WP024 05)						1		XBOOO
	AN960JD416	.	WASHER (AP) (TO STUD THRU BLADDER)						2		PAOZZ
	NAS1291C4M	.	NUT (AP) (TO STUD THRU BLADDER)						2		PAOZZ
117	AN814-6D	.	PLUG						1		PAOZZ
	AN960JD916L	.	WASHER (USE WITH INDEX 117)						1		PAOZZ
	AN924-6D	.	NUT (USE WITH INDEX 117)						1		PAOZZ
118	7M637BT-6D	.	NIPPLE (76301)						2		PAOZZ
	AN960JD916L	.	WASHER (USE WITH INDEX 118)						1		PAOZZ
	AN924-6D	.	NUT (USE WITH INDEX 118)						1		PAOZZ
119	74A586323-2037	.	RETAINER (76301)						1		XBOZZ
	NAS1351C3-10	.	SCREW (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
120	NAS1291C4M	.	NUT						8		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 120)						8		PAOZZ
121	74A586387-1023	.	MOUNT ASSY (76301) (FOR REPAIR SEE WP024 05)						1		XBOOO
	NAS673V4	.	BOLT (AP)						AR		PAOZZ
	AN960JD10L	.	WASHER (AP)						AR		PAOZZ
122	74A586323-1015	.	CHANNEL ASSY (76301) (FOR REPAIR SEE WP024 05)						1		XBOOO
	NAS675V3	.	BOLT (AP) (THRU BLADDER)						2		PAOZZ
	AN960JD516	.	WASHER (AP) (THRU BLADDER)						2		PAOZZ
123	74A586323-2045 @	.	SHIM (76301)						1		XBOZZ
124	74A585002-2005	.	FEED ASSEMBLY, FUEL (NO. 3 FUEL TANK GRAVITY FEED CHECK VALVE) (76301) (5VAP608) (INCLUDES RESTRICTOR, 5RAP666)						1		PAOZZ
	NAS1802-06-7	.	SCREW (USE WITH INDEX 124)						2		PAOZZ
	AN960JD6L	.	WASHER (USE WITH INDEX 124)						2		PAOZZ
	NAS1291C06M	.	NUT (USE WITH INDEX 124)						2		PAOZZ
125	W702-40D	.	NUT ASSEMBLY, TUBE COUPLING (79326) (MCDONNELL SPEC ST7M191-40D) (INCLUDES NUT AND 2 WASHERS)						1	*	PAOZZ
	12H72-40A	.	SEE ABOVE (24984)						1	*	PAOZZ
126	MS29513-334	.	PACKING						1		PAOZZ
127	W901K24DE	.	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)						2	*	PAOZZ
	14J12-24A	.	COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)						2	*	PAOZZ
128	74A587120-1003	.	TUBE ASSEMBLY, METAL - FUEL SUPPLY, LH ENGINE, TANK 3 (76301)						1		XBOZZ
129	74A586334-1003	.	TUBE ASSEMBLY, METAL - PUMP MOTIVE FLOW, LH ENG, TANK 3 (76301)						1		XBOZZ
130	W901K40DE	.	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)						1		PAOZZ
	14J12-40A	.	COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)						1		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 25)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	W901F40DE	.	COUPLING, CLAMP, GROOVED (79326)	.....					1	*	PAOZZ
			(MCDONNELL SPEC 7M550-40D)								
			(INCLUDES SLEEVE)								
131	MS29513-230	.	PACKING	.....					2		PAOZZ
132	55-7600-5	.	VALVE, INTERCONNECT, FUEL PRESSURE	.....					1		PAOZZ
			OPERATED (NO. 3 FUEL TANK PRESSURE								
			OPERATED INTERCONNECT VALVE)								
			(96736) (MCDONNELL SPEC 74-580110-								
			119) (5S-R131) (REPLACES 55-7600-1,								
			41400-109)								
	74B580188-1001	.	SEE ABOVE (76301) (REPLACES 55-7600-1,	.....					1	*	PAOZZ
			41400-109								
	41400-111	.	SEE ABOVE (04192) (MCDONNELL SPEC	.....					1	*	PAOZZ
			74-580110-111) (REPLACES 55-7600-1,								
			41400-109)								
133	7M148V6 †	.	ELBOW (76301)	.....					1		PAOZZ
134	74A586687-1007	.	TUBE ASSEMBLY, METAL - GRAVITY FEED	.....					1		MGOZZ
			SIGNAL, TANK NO. 3 (76301)								
			(SUPERSEDES 74A586687-1003 &								
			74A586687-1005)								
135	7M637BY-4D	.	ELBOW (76301)	.....					1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 135)	.....					1		PAOZZ
	MS28773-06	.	RETAINER (USE WITH INDEX 135)	.....					1		PAOZZ
	AN6289D6	.	NUT (USE WITH INDEX 135)	.....					1		PAOZZ
136	74A587109-1009	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW	.....					1		MGOZZ
			TO INTERCONNECT VALVE (76301)								
137	74A586331-1003	.	TUBE ASSEMBLY, METAL - ENG BOOST	.....					1		PAOZZ
			PMP, RH, MOTIVE FLOW (NO. 3 FUEL								
			TANK WASH FILTER) (76301) (5FAP633)								
138	W904K24DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326)	..					1		PAOZZ
			(MCDONNELL SPEC 7M765-24D1)								
	14C12-24A	.	COUPLING, CLAMP, GROOVED (HALF) (24984)	..					1		PAOZZ
			(MCDONNELL SPEC 7M765-24D1)								
	W904F24DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326)	..					1	*	PAOZZ
			(MCDONNELL SPEC 7M550-24D1)								
139	W702-32D	.	NUT ASSEMBLY, TUBE COUPLING (76326)	.....					1		PAOZZ
			(MCDONNELL SPEC ST7M191-32D)								
			(INCLUDES NUT AND 2 WASHERS)								
140	MS29513-330	.	PACKING	.....					1		PAOZZ
141	74A587119-1003	.	TUBE ASSEMBLY, METAL - TURBO FUEL	.....					1		XBOZZ
			PUMP TO BKHD, TANK 3 (76301)								
142	5007006C	.	PUMP, TURBINE DRIVEN (NO. 3 FUEL TANK	....					1		PAODD
			ENGINE FUEL TURBINE BOOST PUMP)								
			(99176) (MCDONNELL SPEC								
			74-580168-101) (5BAR680)								
	NAS674V15	.	BOLT (AP)	.....					6		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					6		PAOZZ
143	MS29513-222	.	PACKING	.....					1		PAOZZ
144	74A587108-1005	.	TUBE ASSEMBLY, METAL - TURBO BOOST	.....					1		XBOZZ
			PUMP, TK 3 (76301)								
	NAS674V4	.	BOLT (AP)	.....					2		PAOZZ
	4M36-02069	.	WASHER, FLAT (AP) (76301)	.....					2		PAOZZ
145	7M637BY-6D	.	ELBOW (76301)	.....					2		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 145)	.....					2		PAOZZ
	MS28773-06	.	RETAINER (USE WITH INDEX 145)	.....					2		PAOZZ
	AN6289D6	.	NUT (USE WITH INDEX 145)	.....					2		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 26)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
146	74A587110-1003	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW TO	..					1		MGOZZ
			JET SENSOR, TK 3 (76301) (SUPERSEDES								
			74A587110-1001								
147	NAS1787A24G	.	CLAMP	.....					1		PAOZZ
	NAS673V9	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
148	74A586309-2029	.	ANGLE (76301)	.....					1		MGOZZ
	NAS673V2	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
	A11144-7-3	.	NUT, CLIP (72962) (MCDONNELL SPEC	.....					2	*	PAOZZ
			ST3M523C3M) (USE WITH INDEX 148)								
	130091	.	NUT, CLIP (76530) (MCDONNELL SPEC	.....					2	*	PAOZZ
			ST3M523C3M) (USE WITH INDEX 148)								
149	AN735D40	.	CLAMP	.....					1		PAOZZ
	NAS673V3	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP) (ABOVE AND BELOW	.....					2		PAOZZ
			ELECTRICAL LEAD)								
	NAS1291C3M	.	NUT (AP)	.....					1		PAOZZ
150	MS25083-7BC6	.	LEAD, ELECTRICAL (JUMPER)	.....					1		PAOZZ
151	NAS674V4	.	BOLT	.....					2		PAOZZ
	4M36-02069	.	WASHER, FLAT (76301) (USE WITH INDEX 151)	..					2		PAOZZ
152	M529513-230	.	PACKING	.....					1		PAOZZ
153	MS25281R24	.	CLAMP	.....					1		PAOZZ
154	MS25281R6	.	CLAMP (SUPERSEDES MS25281-6)	.....					1		PAOZZ
	NAS673V3	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
	NAS1291C3M	.	NUT (AP)	.....					1		PAOZZ
155	74A586750-1003	.	CLAMP - FUEL LINE, MOTIVE FLOW TO	.....					1		XBOOO
			TURBO PUMP (76301)								
156	74A586750-2007	.	STRAP, RETAINING (76301)	.....					1		PAOZZ
	NAS673V4	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
157	74A586750-2005	.	STRAP, RETAINING (76301)	.....					1		PAOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 157)	.....					2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
158	74A586750-2011	.	CUSHION (76301)	.....					2		PAOZZ
159	74A586750-2009	.	WASHER (SERRATED) (76301)	.....					1		PAOZZ
160	NAS674V5	.	BOLT	.....					1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 160)	.....					1		PAOZZ
161	74A587106-1001	.	BRACKET ASSY - RH, TURBO BOOST PUMP,	....					1		XBOOO
			FUEL TANK NO. 3 (76301) (FOR REPAIR								
			SEE WP134 03)								
	NAS674V4	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
162	74A587112-1001	.	SUPPORT, FUEL FILTER - TURBO BOOST	.....					1		XBOOO
			PUMP, TANK 3 (76301)								
	NAS674V2	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					1		PAOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 162)	.....					2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
163	NAS664V4HT	.	SCREW	.....					1		PAOZZ
164	74A587107-1003	.	BRACKET ASSEMBLY - LH, TURBO BOOST	....					1		XBOOO
			PUMP, FUEL TANK NO. 3 (76301)								
	MS21062L4	.	NUT, PLATE (USE WITH INDEX 164)	.....					3		PAOZZ
	MS20470AD3 #	.	RIVET (AP)	.....					2		-
165	NAS674V3	.	BOLT	.....					1		PAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	AN960JD416L	.	WASHER (USE WITH INDEX 165)						1		PAOZZ
166	M25988/1-312	.	PACKING						7		PAOZZ
167	74A586244-2007	.	WASHER (RETAINER) (76301)						2		PAOZZ
168	NAS674V1	.	BOLT						2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 168)						2		PAOZZ
169	74A586309-1007	.	BRACKET ASSY (76301)						1		XBOOO
	NAS673V3	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	MS21062L3	.	NUT, PLATE (USE WITH INDEX 169)						3		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
170	M25988/1-312	.	PACKING						5		PAOZZ
171	74A586244-2005	.	WASHER (RETAINER) (76301)						4		PAOZZ
172	74A585735-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 1.00						5		PAOZZ
			DIA, ASSY OF (76301)								
	LS580178-101 ¶	.	NUT, SELF-LOCKING, ROUND - BHD CONN,						5		PAOBZ
			1.0 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580178-101								
173	MS29513-325	.	PACKING						5		PAOZZ
174	NAS673V2	.	BOLT						2		PAOZZ
	AN960JD10	.	WASHER (USE WITH INDEX 174)						2		PAOZZ
175	74A585734-2001	.	RETAINER, FUEL CELL FITTING BHD, 1.25						1		PAOZZ
			DIA, ASSY OF (76301)								
176	MS29513-327	.	PACKING						2		PAOZZ
177	74A585733-2001	.	RETAINER, FUEL CELL FITTING - BHD, 2.00						1		PAOZZ
			DIA, ASSY OF (76301)								
178	MS29513-333	.	PACKING						4		PAOZZ
179	74A585731-2001	.	RETAINER, FUEL CELL FITTING - BHD, 2.50						2		PAOZZ
			DIA, ASSY OF (76301)								
	LS580177-101 ¶	.	NUT, SELF-LOCKING, ROUND - SPCL, BHD						2		PAOBZ
			CONN, 2.5 DIA TUBE (03038)								
			(MCDONNELL SPEC 74B580177-101								
180	MS29513-339	.	PACKING						2		PAOZZ
181	74A587116-2001	.	RETAINER, FUEL CELL FITTING - BHD,						1		PAOZZ
			TURBO PUMP, ASSY OF (76301)								
182	MS29513-335	.	PACKING						2		PAOZZ
183	74A5B5739-2001	.	RETAINER, FUEL CELL FITTING - BHD, 1.50						3		PAOZZ
			DIA, ASSY OF (76301)								
	LS580172-101 ¶	.	NUT, SELF-LOCKING, ROUND - BHD CONN,						3		PAOBZ
			1.5 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580172-101								
184	M529513-329	.	PACKING						3		PAOBZ
185	74A585733-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 2.00						3		PAOZZ
			DIA, ASSY OF (76301)								
	LS580173-101 ¶	.	NUT SELF LOCKING, ROUND BHD CONN,						3		PAOBZ
			2.00 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580173-101								
186	74A585730-2001	.	RETAINER ASSEMBLY - FUEL CELL FITTING, . . .						3		PAOZZ
			BHD, 2.50 DIA (76301)								
	LS580174-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.5						3		PAOBZ
			IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101								
187	MS29513-337	.	PACKING						5		PAOZZ
188	74A586244-2007	.	WASHER (RETAINER) (76301)						1		PAOZZ
189	74A586309-1019	.	BRACKET ASSY (76301)						1		XBOOO
	MS21062L4	.	NUT, PLATE (USE WITH INDEX 189)						4		PAOZZ
	MS20470AD3 #	.	RIVET (AP)						2		-
	74A586309-2095	.	SUPPORT (76301) (USE WITH INDEX 189)						1		XBOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 28)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
190	NAS674V8	.	BOLT	.....					1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 190)	.....					1		PAOZZ
	NAS43DD4-28	.	SPACER (USE WITH INDEX 190)	.....					1		PAOZZ
191	NAS674V6	.	BOLT	.....					2		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 191)	.....					2		PAOZZ
	NAS43DD4-20	.	SPACER (USE WITH INDEX 191)	.....					2		PAOZZ
192	7M637BD-4D	.	NIPPLE (76301)	.....					4		PAOZZ
	MS29512-04	.	PACKING (USE WITH INDEX 192)	.....					4		PAOZZ
193	7M637BY-4D	.	ELBOW (76301)	.....					3		PAOZZ
	AN6289D4	.	NUT (USE WITH INDEX 193)	.....					3		PAOZZ
	MS29512-04	.	PACKING (USE WITH INDEX 193)	.....					3		PAOZZ
	MS28773-04	.	RETAINER (USE WITH INDEX 193)	.....					3		PAOZZ
194	LS580174-101	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.5	.....					2		PAOBZ
			IN DIA TUBE (03038) (MCDONNELL								
			SPEC 74B580174-101)								
195	74A582082-1003	.	ADAPTER - TANK DRAIN AND VENT (76301)	....					1		PAOZZ
			(SUPERSEDES 74A582082-1001)								
196	MS29513-213	.	PACKING	.....					1		PAOZZ
197	74A585734-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 1.25	.....							PAOZZ
			DIA. ASSY OF (76301)								
	LS580171-101 ¶	.	NUT SELF LOCKING, ROUND BHD CONN.	.....					1		PAOBZ
			1.25 IN DIA TUBE (03038) (MCDONNELL								
			SPEC 74B580171-101								
198	LS580176-101	.	LOCKNUT, TUBE FITTING 2.0 DIA TUBE	.....					1		PAOBZ
			(03038) (MCDONNELL SPEC								
			74B580176-101)								
199	7M637BD-6D	.	NIPPLE (76301)	.....					1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 199)	.....					1		PAOZZ
200	MS29513-117	.	PACKING	.....					1		PAOZZ
201	NAS674V6	.	BOLT	.....					2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 201)	.....					2		PAOZZ
202	NAS674V5	.	BOLT	.....					1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 202)	.....					1		PAOZZ
203	NAS674V4	.	BOLT	.....					2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 203)	.....					2		PAOZZ
204	NAS674V2	.	BOLT	.....					1		PAOZZ
	AN960JD416L	.	WASHER	.....					1		PAOZZ
205	MS29513-385	.	PACKING	.....					1		PAOZZ
	74K580003-1005 + +	.	PACKING ASSORTMENT, PREFORMED - FUEL	.....					1		PAOZZ
			TANK, NO. 3 (76301) (REPLACES								
			74K80003-1003)								
	74K580003-1003	.	SEE ABOVE	.....					1	*	PAOZZ
	MS29513-385	.	PACKING	.....					1		XAOZZ
	MS29513-339	.	PACKING	.....					2		XAOZZ
	MS29513-337	.	PACKING	.....					5		XAOZZ
	MS29513-335	.	PACKING	.....					2		XAOZZ
	MS29513-334	.	PACKING	.....					3		XAOZZ
	MS29513-333	.	PACKING	.....					4		XAOZZ
	MS29513-330	.	PACKING	.....					2		XAOZZ
	MS29513-329	.	PACKING	.....					3		XAOZZ
	MS29513-327	.	PACKING	.....					2		XAOZZ
	MS29513-325	.	PACKING	.....					5		XAOZZ
	MS29513-246	.	PACKING	.....					1		XAOZZ
	MS29513-243	.	PACKING	.....					1		XAOZZ
	MS29513-230	.	PACKING	.....					13		XAOZZ
	MS29513-226	.	PACKING	.....					22		XAOZZ

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 29)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	MS29513-222	. PACKING	10		XAOZZ
	MS29513-218	. PACKING	5		XAOZZ
	MS29513-214	. PACKING	14		XAOZZ
	MS29513-213	. PACKING	2		XAOZZ
	MS29513-117	. PACKING	1		XAOZZ
	MS29513-110	. PACKING	1		XAOZZ
	MS29513-023	. PACKING	1		XAOZZ
	MS29513-015	. PACKING	2		XAOZZ
	MS29512-08	. PACKING	3		XAOZZ
	MS29512-06	. PACKING	5		XAOZZ
	MS29512-04	. PACKING	7		XAOZZ
	M25988/1-022	. PACKING	1		XAOZZ
	M25988/1-312	. PACKING	15		XAOZZ

* ALTERNATE OR EQUIVALENT PARTS.
(WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

@ INSTALL SHIM IF NOT RIVETED TO AFT
CHANNEL.

+ + USER MAY COMPLETE TANK INSTALLATION
AND HAVE PACKINGS REMAINING BECAUSE
KIT CONTAINS ENOUGH PACKINGS TO
COVER ALL EFFECTIVITIES

¢ AMFUEL OR UNIROYAL INDIVIDUAL BACKING
BOARDS MUST BE REPLACED BY SAME
MANUFACTURERS PART. COMPLETE SETS
OF AMFUEL OR UNIROYAL BACKING
BOARDS MAY BE USED WITH EITHER
AMFUEL OR UNIROYAL TANKS

φ PREPARE MATING SURFACES OF BAFFLE
AND CONNECTOR FOR ELECTRICAL BOND
(A1-F18AC-LMM-000) PRIOR TO INSTALLATION .

¶ NUTS ARE USED WITH PROTRUDING TYPE
BULKHEAD CONNECTORS. RETAINERS
ARE USED WITH NON-PROTRUDING TYPE
BULKHEAD CONNECTORS. RETAINERS
AND NON-PROTRUDING TYPE BULKHEAD
CONNECTORS ARE REPLACEMENT PARTS
FOR NUTS AND PROTRUDING TYPE
BULKHEAD CONNECTORS, REF
WP042 00 AND WP013 02.

† MUST BE USED WITH 74A586687-1005
AND 74A586687-1003

†† MAY BE USED WITH TANK NO. 3 HIGH
LEVEL PILOT VALVE.

Figure 1. No. 3 Fuel Tank (5CAP510) (Sheet 30)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
NO. 3 FUEL TANK INSPECTION AND FOLDING
FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Installation	WP023 00
Fuel Tank Fitting Repair	WP036 00
Ground Support Equipment	WP009 01
Aircraft Fuel Cells and Internal/External Tanks	NAVAIR 01-1A-35

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Record of Applicable Technical Directives

None

Support Equipment Required		Support Equipment Required (Cont)	
Part Number or Type Designation	Nomenclature	Part Number or Type Designation	Nomenclature
74D460104-1003	Fuel Cell Installation and Removal Grommet Set	MMEP-12B	Hot Air Blower
		74D460143-1001	Installation/Removal Gage
SK-2953	Protector Cap Kit	0900R	Fuel Tank Strap Assembly
74D460019-1001	Fuel Cell Removal/Installation Tool Set	44240-10	Fuel Tank Ratchet Assembly

Materials Required

Specification or Part Number	Nomenclature
-	Plastic or Wooden Scraper
MIL-B-131, Class 1 (CAGE 81349)	Barrier Material
- (CAGE 81348)	Talcum Powder
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
TT-I-735 (CAGE 81348)	Isopropyl Alcohol

1. FUEL TANK HANDLING PRECAUTIONS.

- a. Do not drag, tumble or use tank fittings for handles.
- b. Keep tank out of direct sunlight.
- c. Tank and cavity must be at least 60°F before folding for removal and installation. Use hot air blower as required.
- d. Do not wear shoes, jewelry or use any other sharp objects while folding fuel tank. Wear only clean cotton coveralls with no pockets or buttons, and clean white socks.
- e. Do not stand or kneel on tank.
- f. Do not crease or fold areas around tank fittings.
- g. Do not rest tank on a sharp edge.
- h. Do not keep tank folded for more than 8 hours.
- i. Do not remove tank from storage container until ready for installation or inspection.
- j. After removal from container, keep fuel tank on a clean barrier material.

2. REMOVAL.

- a. Observe applicable fuel tank handling precautions.
- b. Install protector cap kit on fuel tank fittings.

NOTE

Use fuel cell removal/installation tool set, as required, to remove tank from cavity.

- c. Fold and remove fuel tank per figure 1.

3. INSTALLATION.

- a. Inspect fuel tank per paragraph 4.
- b. Fold fuel tank for installation per figure 2.
- c. Use fuel tank straps and ratchet assemblies to compress fuel tank (WP009 01).

4. INSPECTION. (QA)

- a. Inspect fuel tank per NAVAIR 01-1A-35 and substeps below:

(1) Inspect fuel tank interior for loose liner lap.

(2) A loose liner lap is allowable up to 1/4 inch width for complete length of liner lap, if 1 inch bond is maintained on fabric liner and 1/4 inch on rubber liner.

(3) Inspect for and remove foreign material in access fitting floating nuts.

(4) Inspect for and clean (paragraph 5) all fittings of:

(a) dirt

(b) grease

(c) corrosion

(d) burrs

(e) foreign material that would prevent packing seal

(5) Inspect for and repair (WP036 00) fittings
with:

- (a) cracks
- (b) scratches at tank/cavity sealing surface
- (c) nicks at tank/cavity sealing surface
- (d) distortion
- (e) damaged threads
- (f) sharp edges
- (g) damage that would cause mismatch, or
prevent packing seal

5. **CLEANING.**



Isopropyl Alcohol, TT-I-735

2



To prevent scratches, use only a plastic or wooden scraper, and clean lint-free cheesecloth to remove foreign material from fuel tank fittings.

a. Using a plastic or wooden scraper, and clean lint-free cheesecloth moistened in isopropyl alcohol, remove dirt, grease or foreign material.

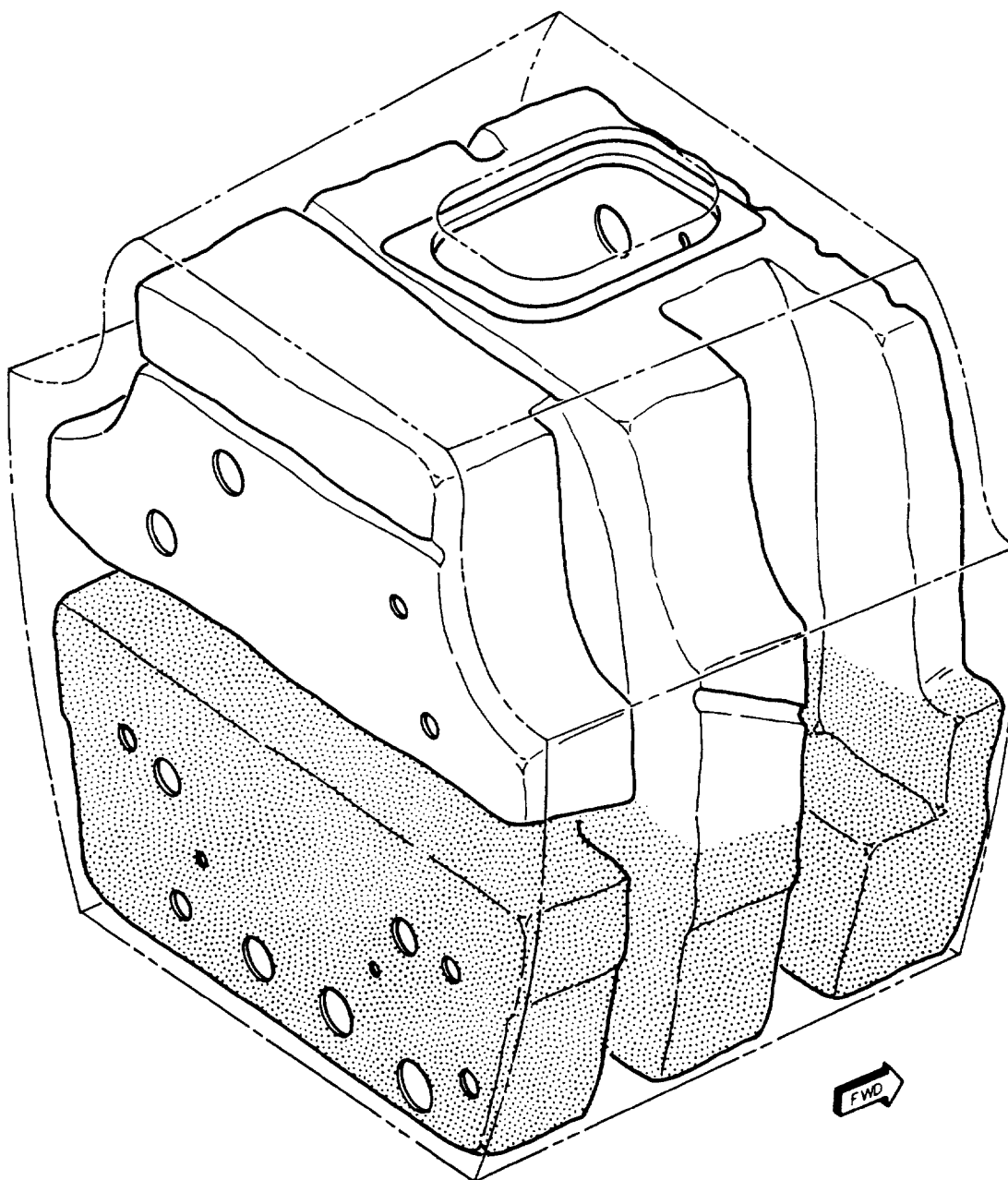
b. Wipe area with dry cheesecloth before isopropyl alcohol evaporates.

PROCEDURE

NOTE

BECAUSE OF THE WORKING ENVIRONMENT, INSIDE OF THE CAVITY AREA, FUEL TANK MAINTENANCE WORKERS COULD FATIGUE EASILY. WORKERS SHOULD ALTERNATE IN CAVITY AREA EVERY 15 MINUTES.

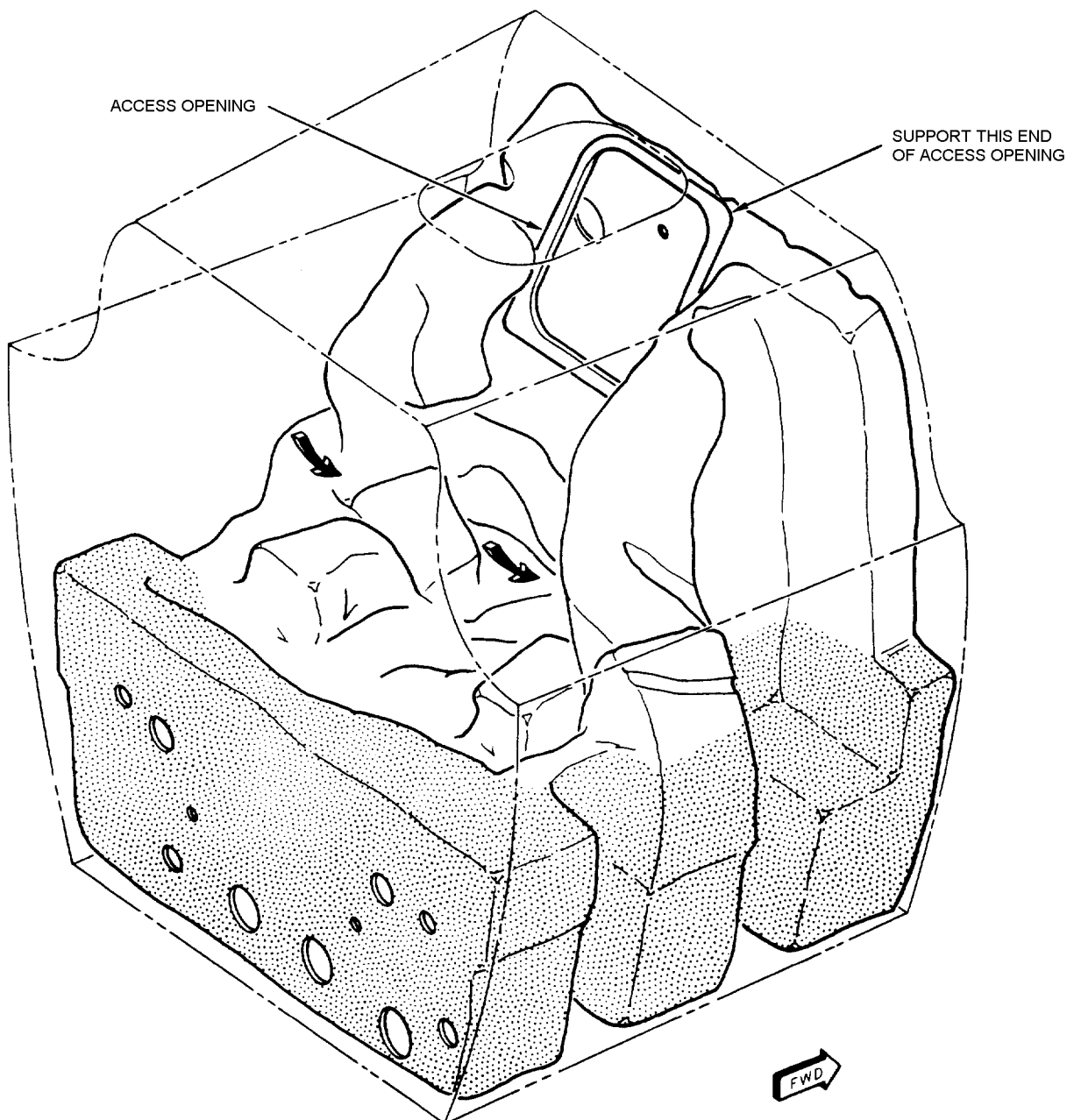
1. WHILE KNEELING INSIDE OF FUEL TANK, PULL TANK AWAY FROM FITTINGS AND AWAY FROM CORNERS.



02500101

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 1)

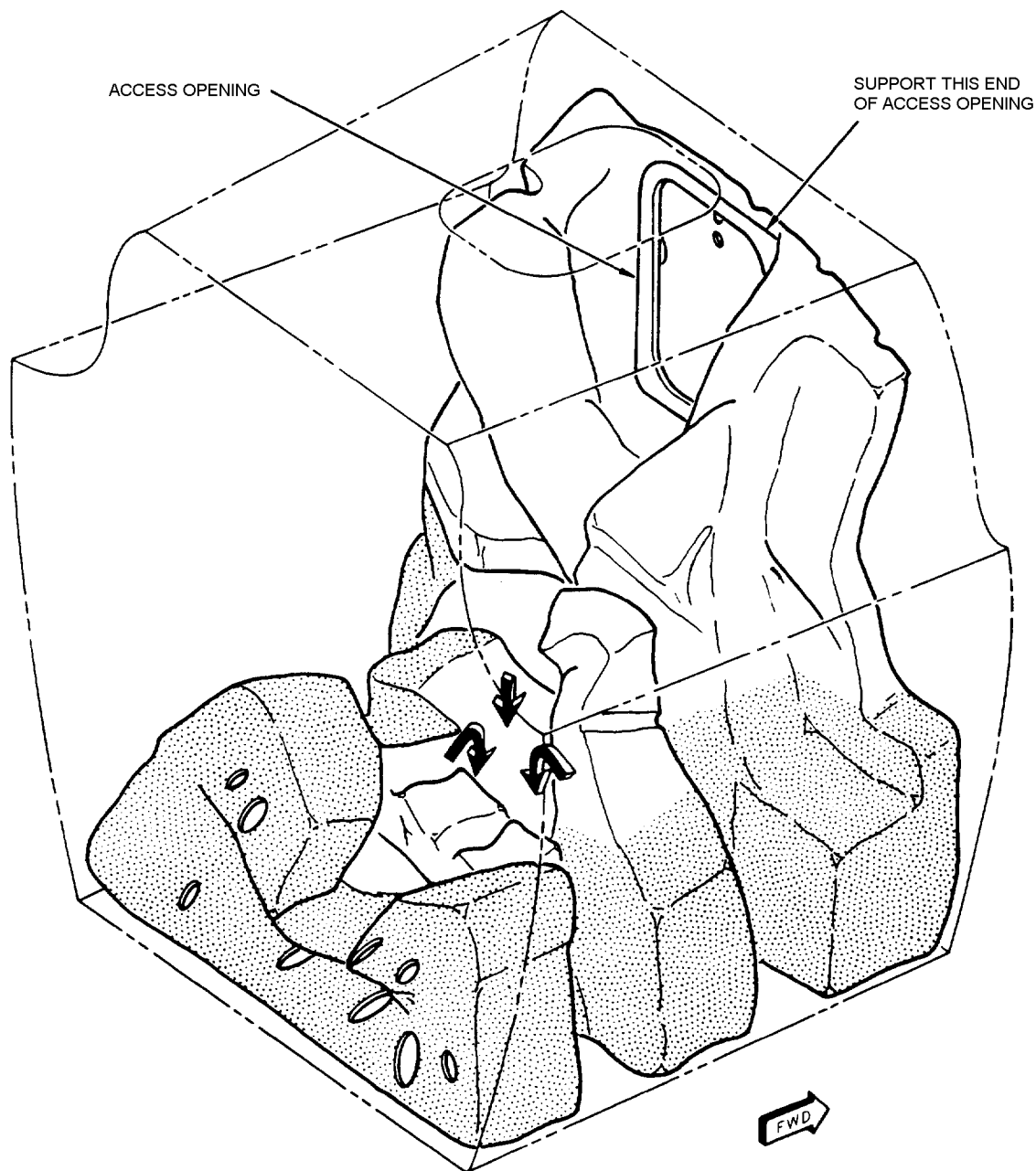
2. WORKING THROUGH DORSAL DECK ACCESS OPENING, SUPPORT FORWARD END OF ACCESS OPENING, PUSH DOWN ON AFT END OF ACCESS OPENING AND PUSH TOWARD FORWARD CAVITY WALL.



02500102

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 2)

3. PUSH ACCESS OPENING AGAINST FORWARD WALL OF CAVITY WHILE SMOOTHING OUT LARGE WRINKLES AND BULGES.
4. PUSH AREA AFT OF ACCESS OPENING DOWN WHILE SMOOTHING OUT LARGE WRINKLES AND BULGES.



02500103

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 3)

5. WHILE WORKING INSIDE FUEL TANK CAVITY, GATHER AND FOLD TANK BEHIND AND OVER ACCESS OPENING, AS SHOWN BELOW.
6. POSITION STRAP A (SHORT STRAP) OVER TOP OF FOLDED TANK, HALFWAY DOWN ACCESS OPENING AND HANDTIGHTEN STRAP.

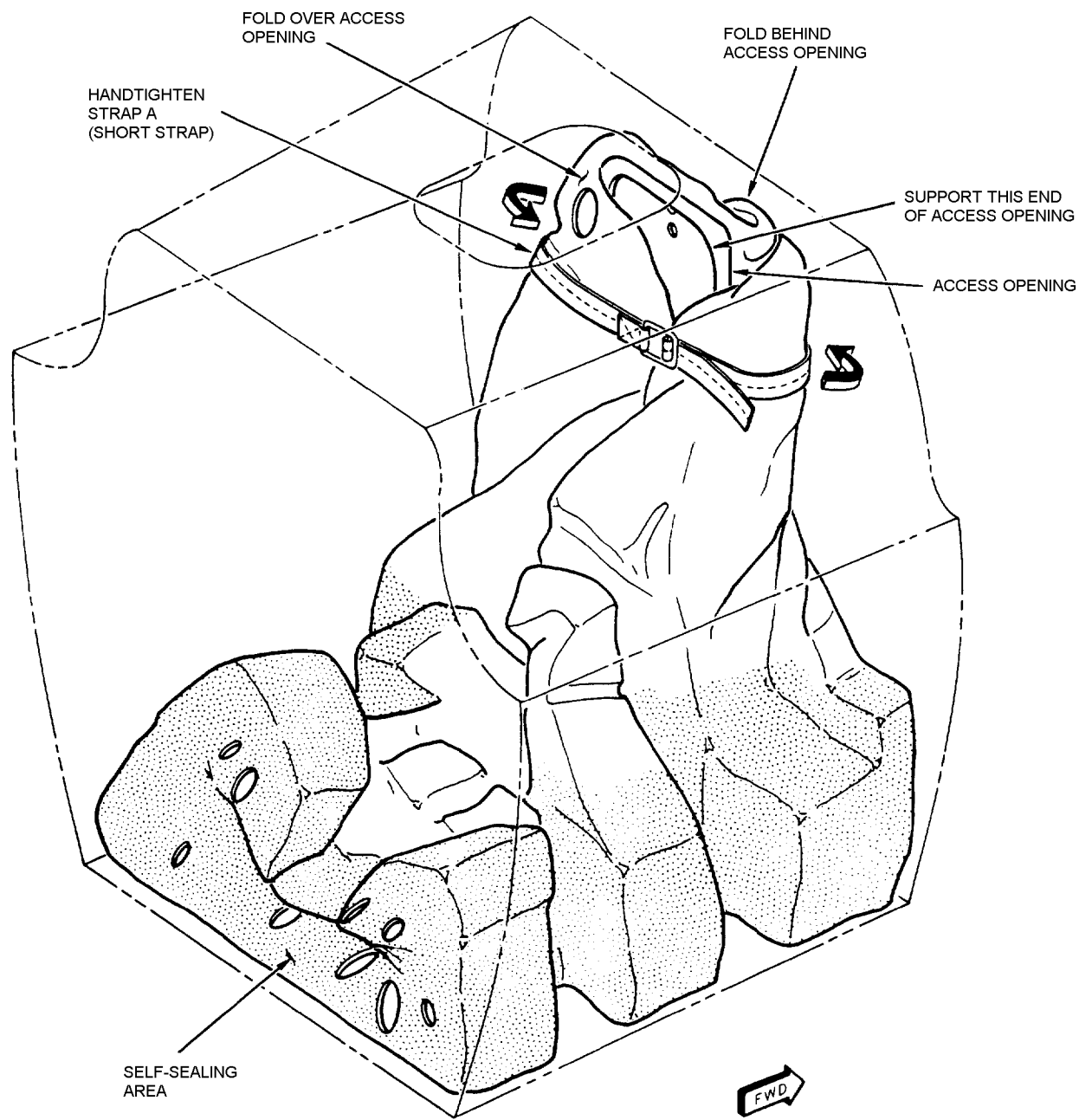
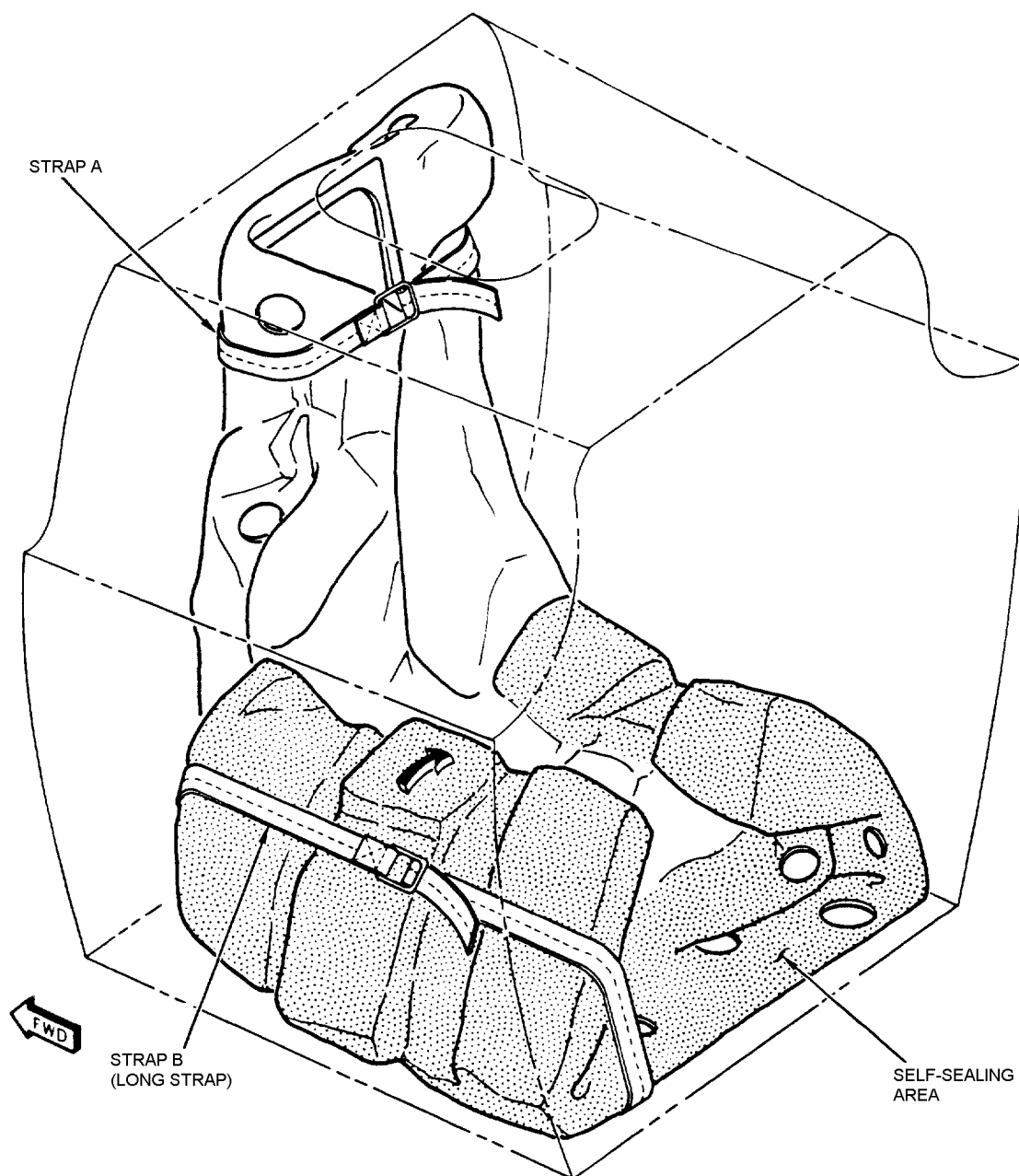


Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 4)

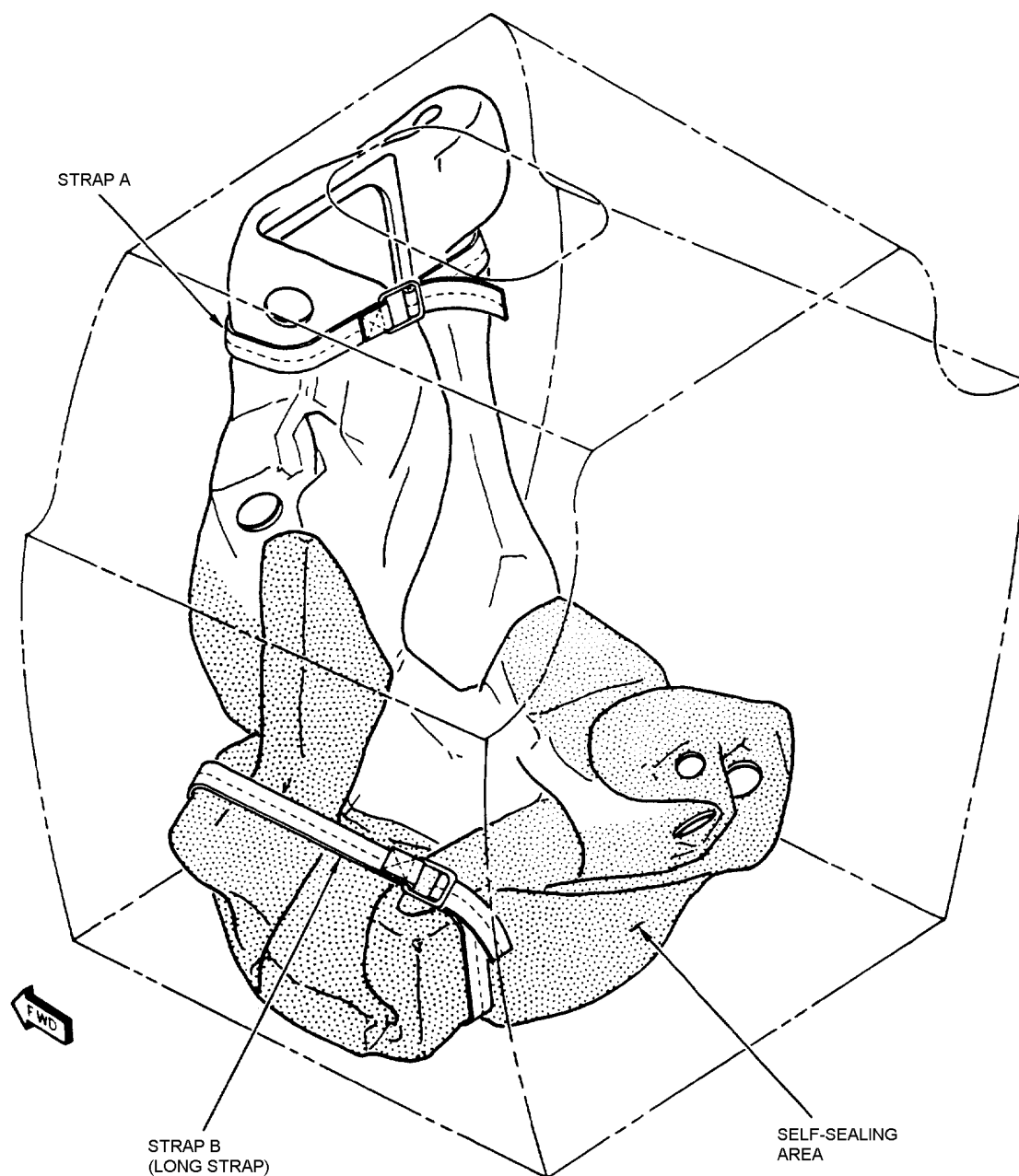
7. FOLD LEFT SIDE OF SELF-SEALING AREA TOWARD CENTER.
8. POSITION STRAP B (LONG STRAP) AROUND SELF-SEALING AREA ON LEFT SIDE OF TANK.



02500105

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 5)

9. USING RATCHET, STRAIGHTEN STRAP B.



02500106

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 6)

10. GATHER TANK TOWARD MIDDLE OF ACCESS OPENING AND SMOOTH OUT LARGE WRINKLES AND BULGES.
11. POSITION STRAP C (LONG STRAP) AND HAND-TIGHTEN.

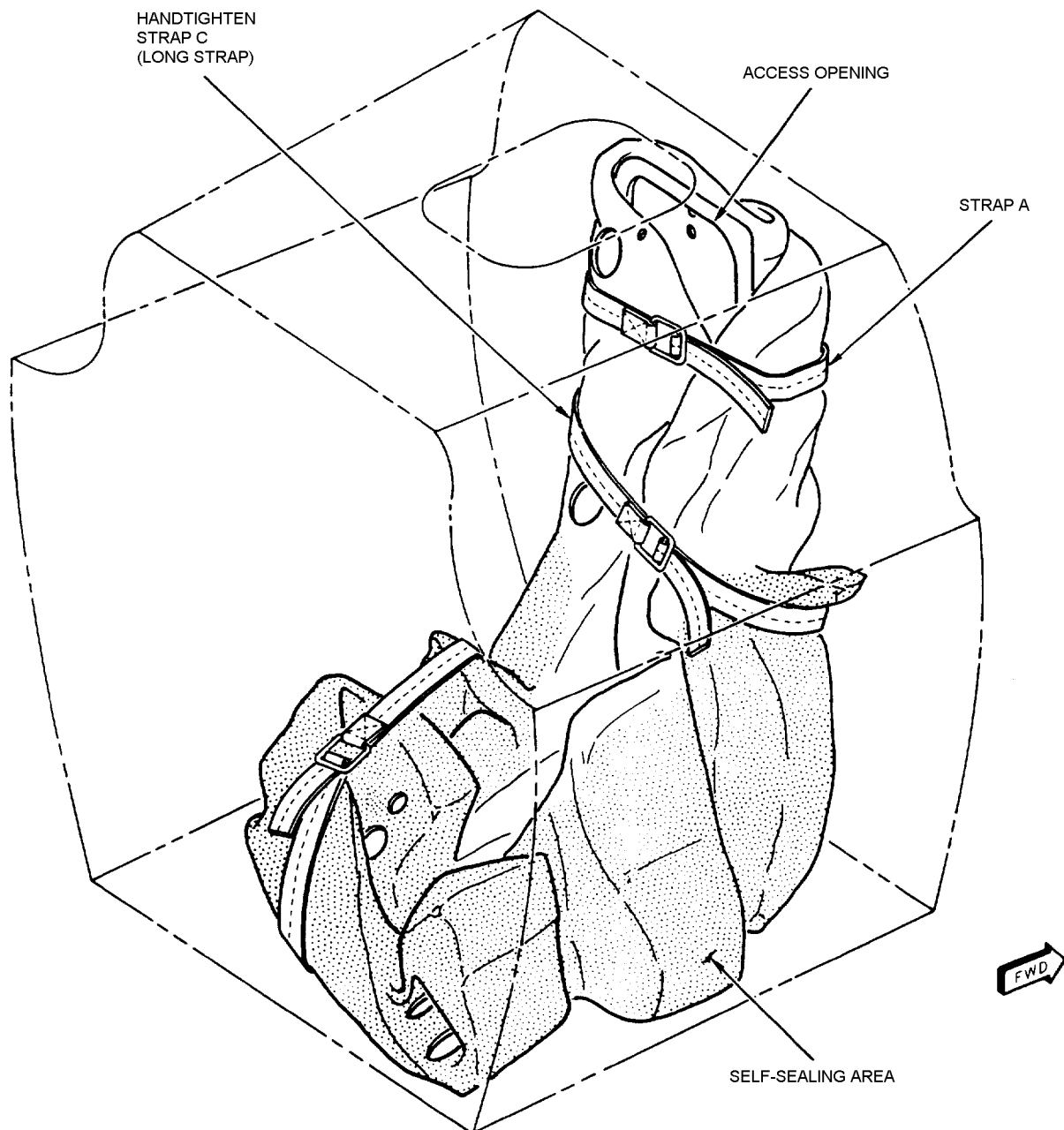
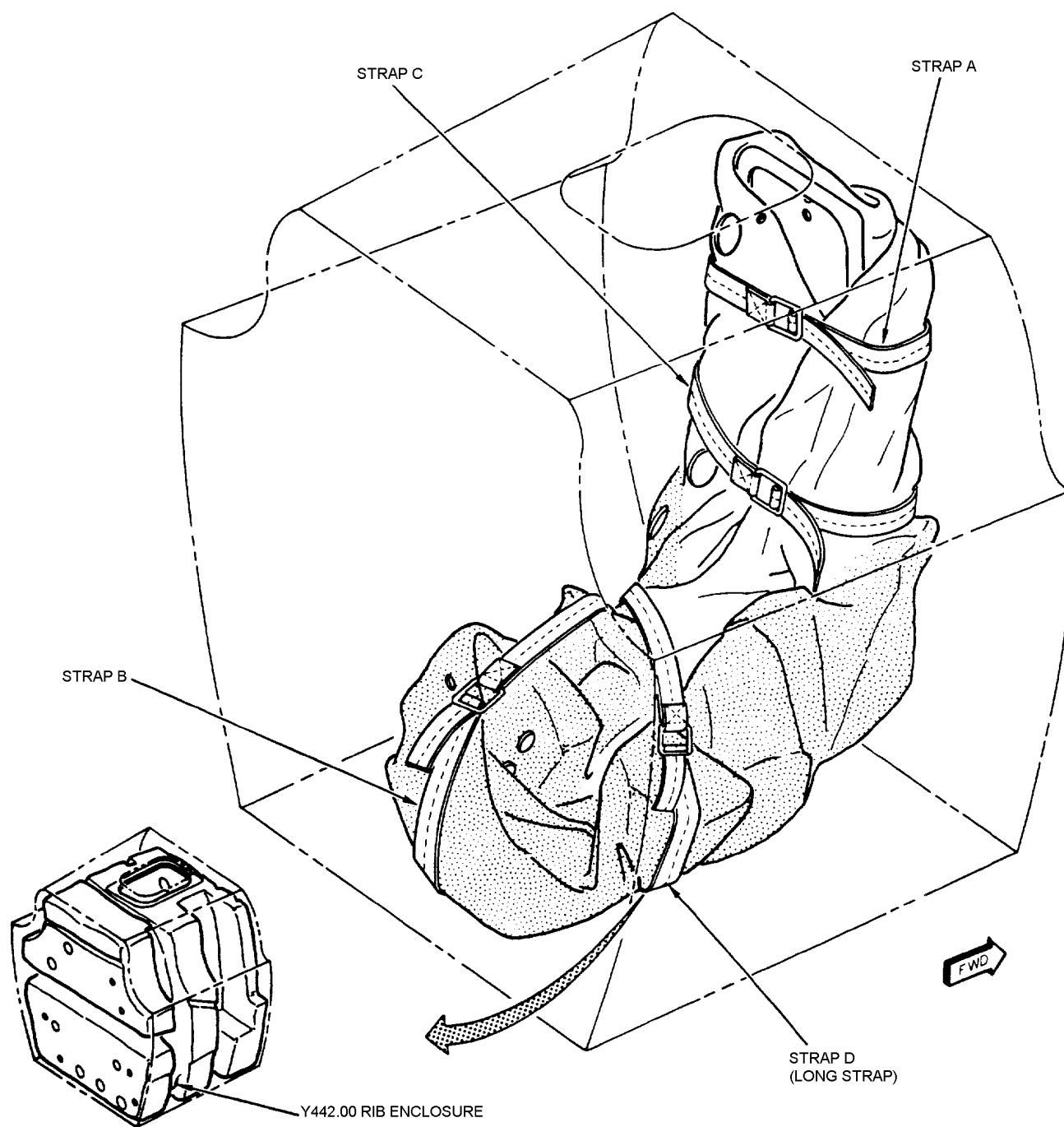


Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 7)

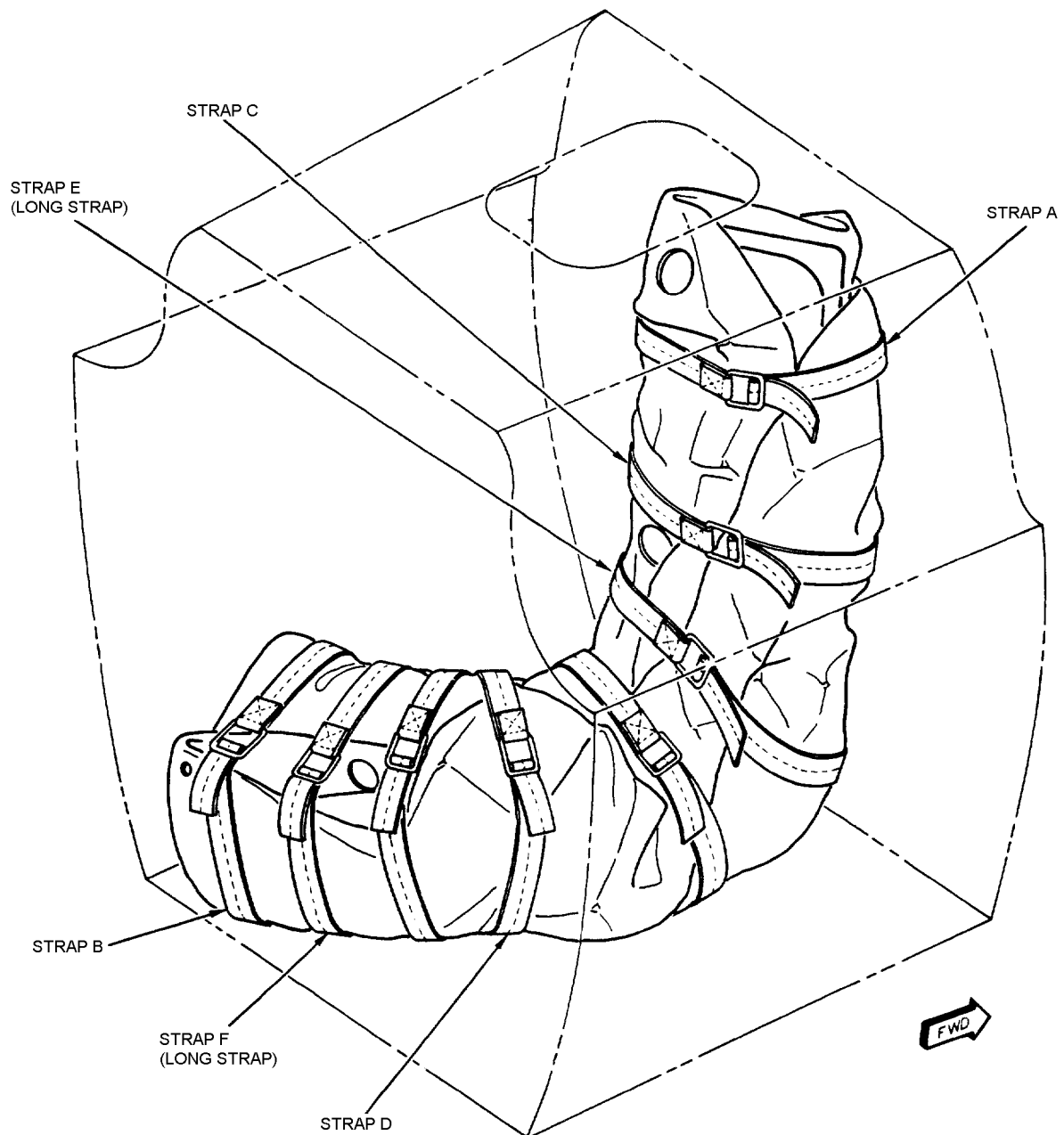
12. GATHER TANK AND SMOOTH OUT LARGE WRINKLES AND BULGES.
13. POSITION STRAP D (LONG STRAP) IN Y442.00 RIB ENCLOSURE AND AROUND SELF SEALING AREA AND TIGHTEN WITH RATCHET.



02500108

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 8)

14. POSITION STRAP E (LONG STRAP) AND TIGHTEN WITH RATCHET.
15. POSITION STRAP F (LONG STRAP) AND TIGHTEN WITH RATCHET.
16. WORKING FROM CENTER OF FOLDED TANK TOWARD ENDS, POSITION AND TIGHTEN ADDITIONAL STRAPS AS REQUIRED TO REMOVE BULGES.



02500109

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 9)

CAUTION

TO PREVENT OVERCOMPRESSING TANK CAUSING POSSIBLE DAMAGE, MAKE SURE RATCHET TENSION STRAP IS USED TO COMPRESS TANK ONLY ENOUGH TO ALLOW GAGE TO SLIDE OVER TANK.

17. POSITION INSTALLATION/REMOVAL GAGE OVER TANK. TIGHTEN OR ADD STRAPS AS REQUIRED TO PASS GAGE OVER FOLDED TANK.

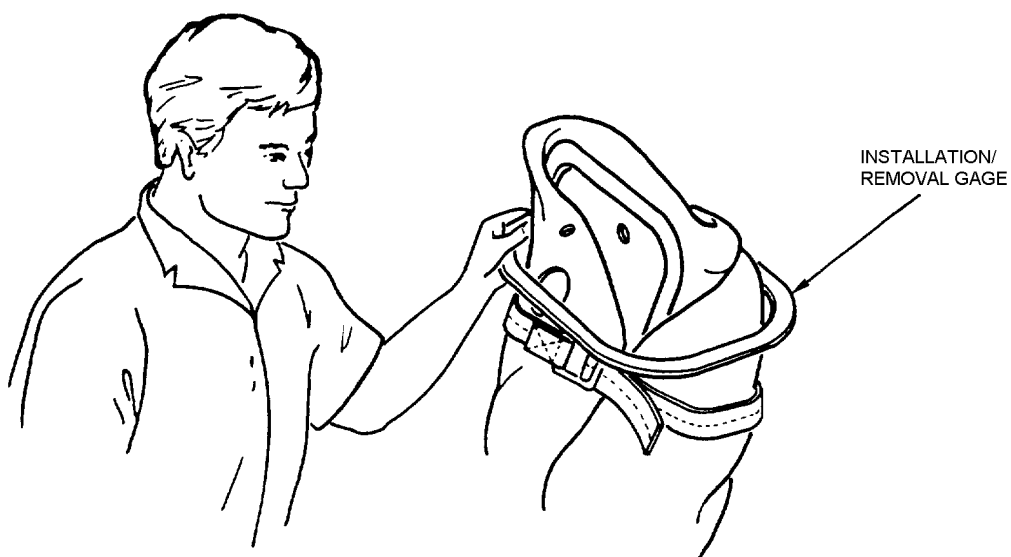


Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 10)

WARNING

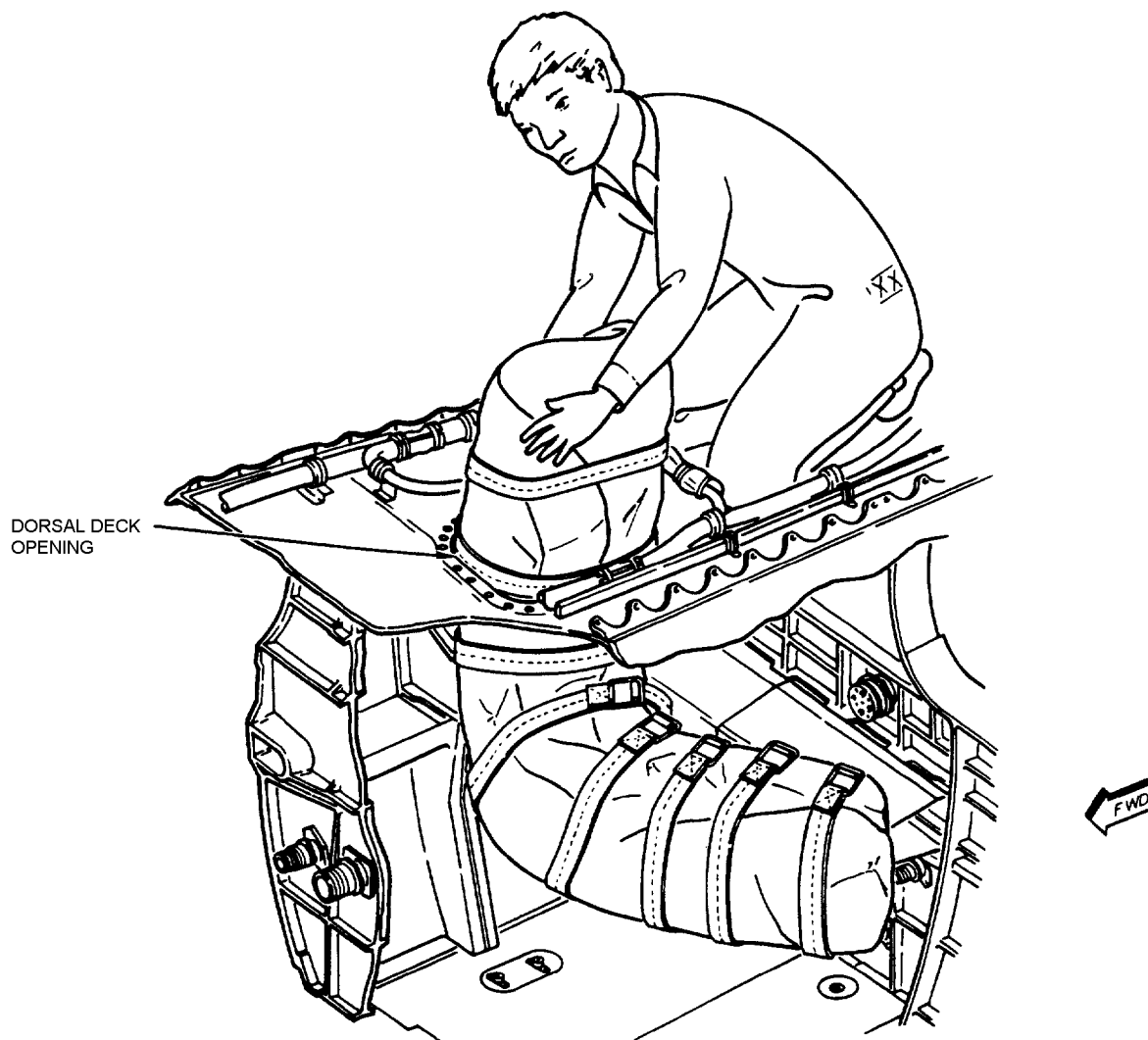
TO PREVENT POSSIBLE INJURY TO MAINTENANCE PERSONNEL WHILE REMOVING FUEL TANK FROM CAVITY, MAINTENANCE PERSONNEL MUST NOT BE IN CAVITY.

18. WHEN INSTALLATION/REMOVAL GAGE IS PASSED OVER TANK AND STRAPS HAVE BEEN CORRECTLY TIGHTENED, MAINTENANCE WORKER MUST EVACUATE CAVITY.
19. APPLY PRESSURE SENSITIVE TAPE ON ACCESS OPENING.

NOTE

DURING LIFTING OF FUEL TANK THROUGH DORSAL DECK OPENING, SIDE TO SIDE MOVEMENT, FORWARD AND AFT MOVEMENT, AND TWISTING OF FUEL TANK MAY BE REQUIRED TO CLEAR ANY FUEL TANK IRREGULARITIES. AVOID FORCING TANK THROUGH DORSAL DECK OPENING.

20. WHILE STANDING OR KNEELING ON DORSAL DECK, LIFT AND MANEUVER TANK THROUGH ACCESS OPENING ON DORSAL DECK.
21. REMOVE ALL TAPE AND LACING CORDS FROM CAVITY.



02500111

Figure 1. Removal - No. 3 Fuel Tank Folding (Sheet 11)

PROCEDURE

1. OBSERVE PARAGRAPH 1 HANDLING PRECAUTIONS.
2. LAY FUEL TANK ON PROTECTIVE MATERIAL.
3. APPLY PROTECTOR CAPS OVER ALL FITTINGS INSIDE TANK AND ACCESS OPENING.
4. DUST OUTSIDE OF TANK WITH TALCUM POWDER.

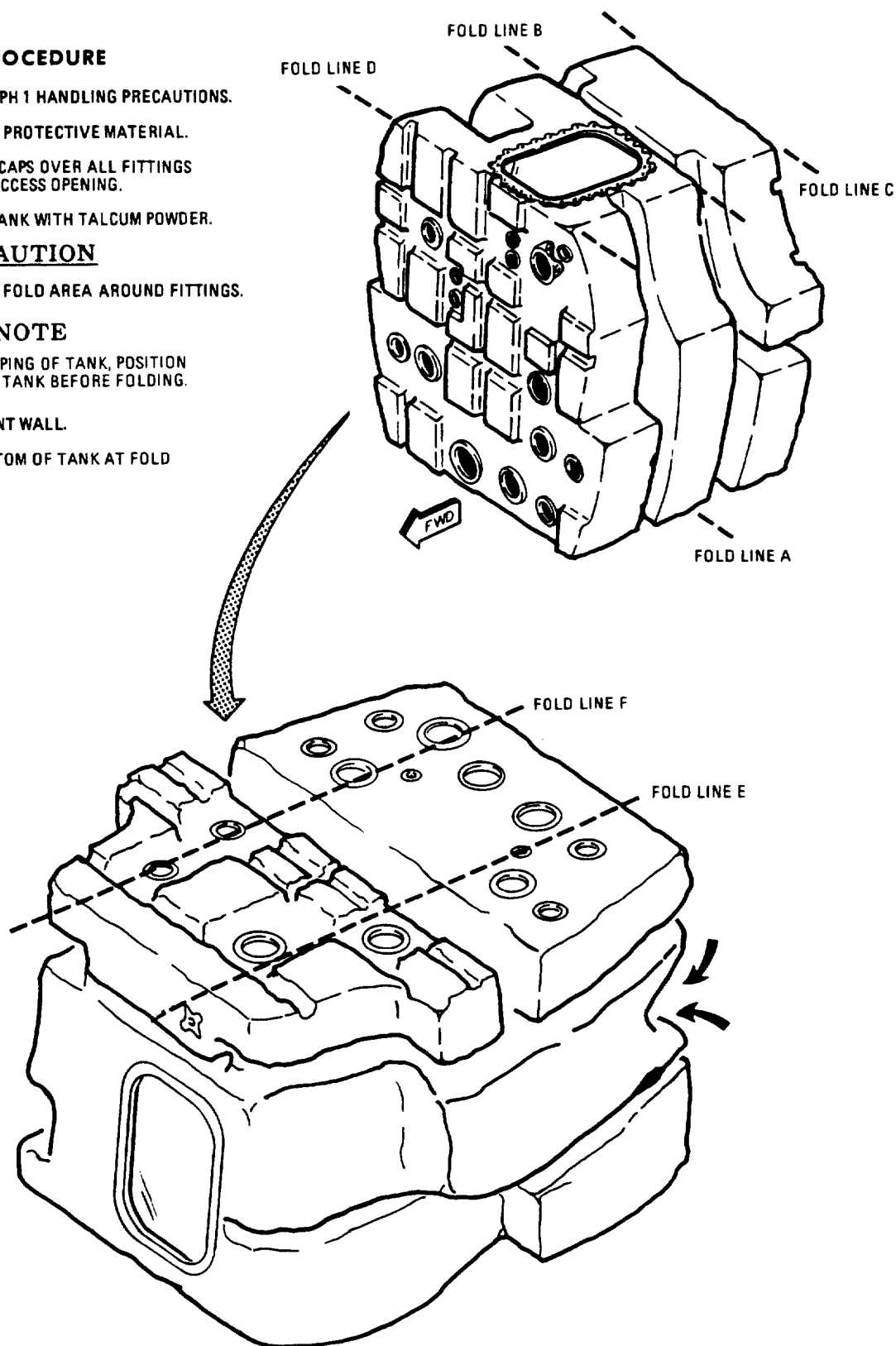
CAUTION

DO NOT CREASE OR FOLD AREA AROUND FITTINGS.

NOTE

TO EASE STRAPPING OF TANK, POSITION STRAPS UNDER TANK BEFORE FOLDING.

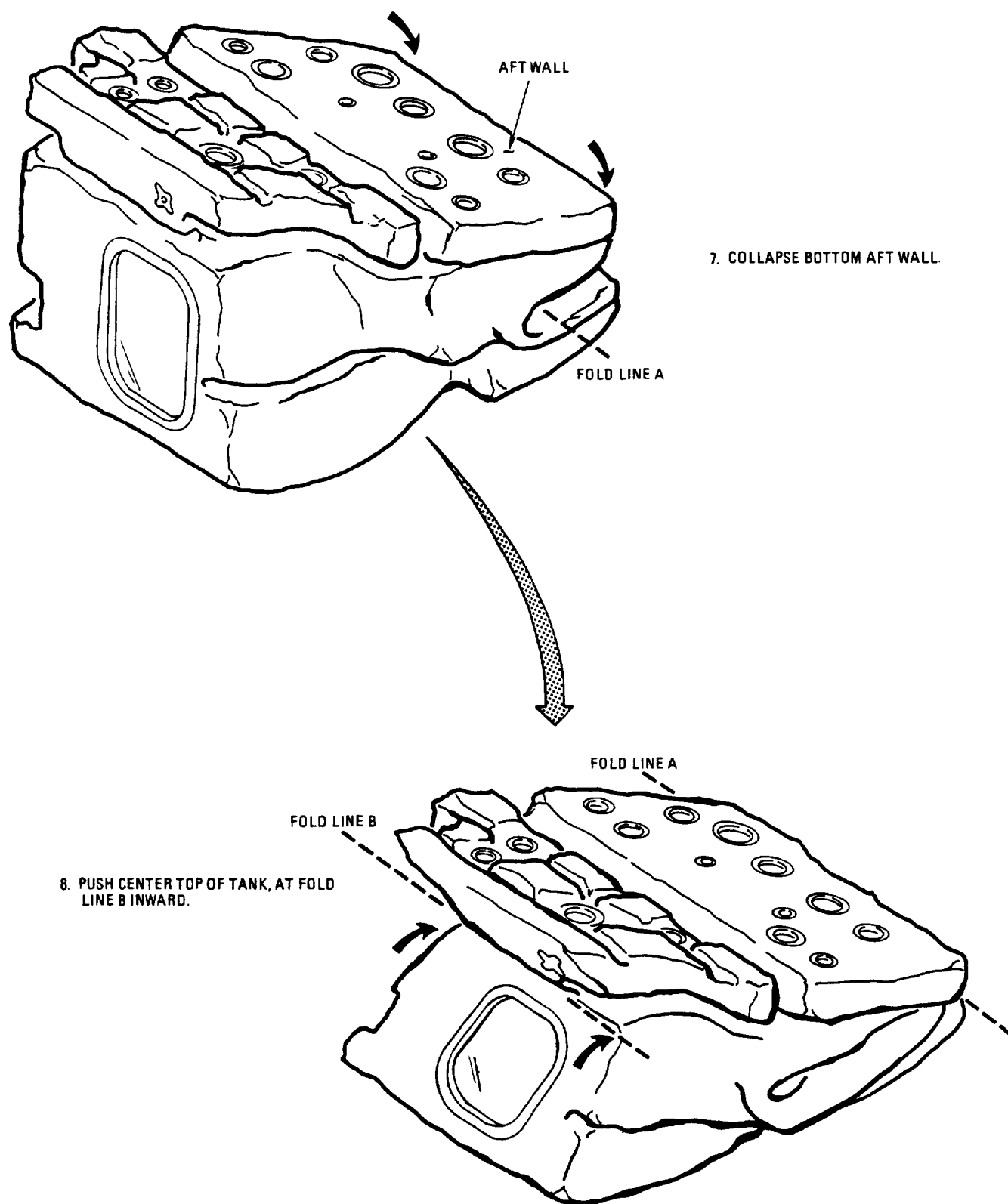
5. LAY TANK ON FRONT WALL.
6. PUSH CENTER BOTTOM OF TANK AT FOLD LINE A INWARD.



FUEL TANK LAYING ON FRONT WALL

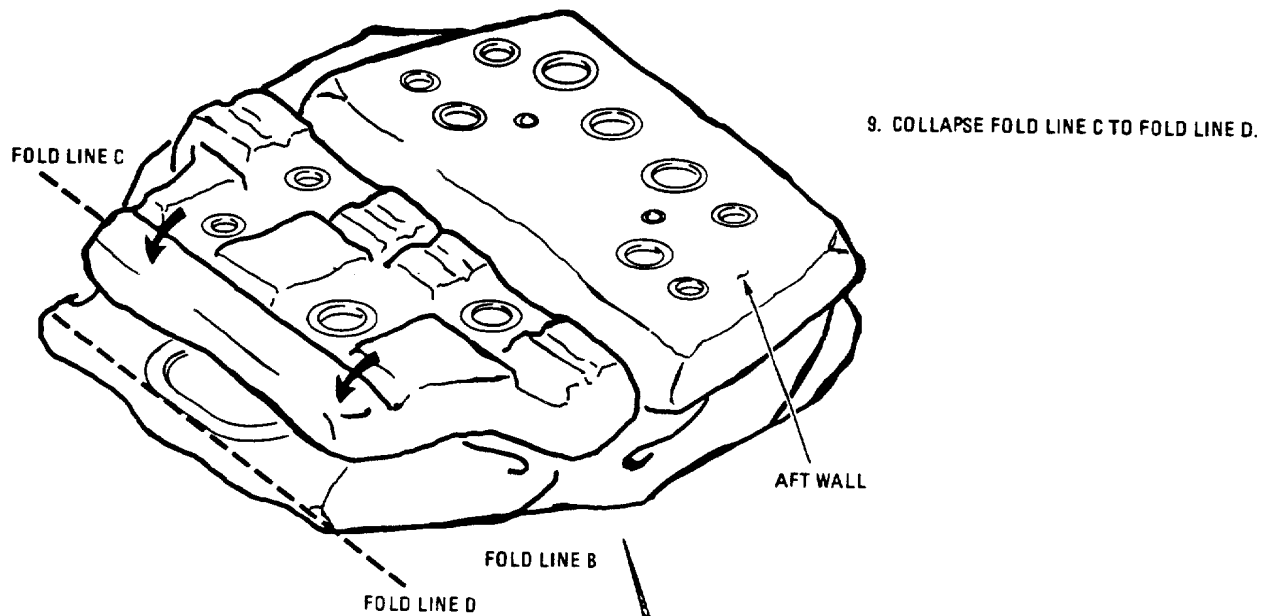
02500201

Figure 2. Installation - No. 3 Fuel Tank Folding (Sheet 1)



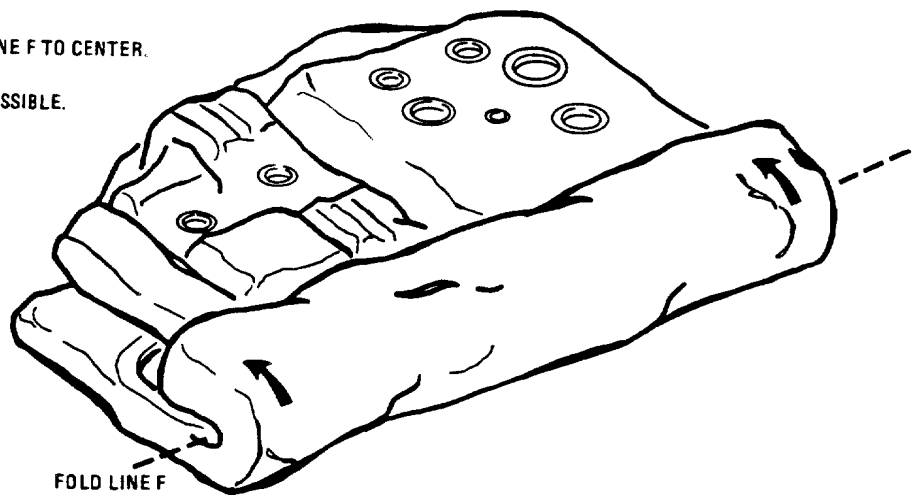
02500202

Figure 2. Installation - No. 3 Fuel Tank Folding (Sheet 2)



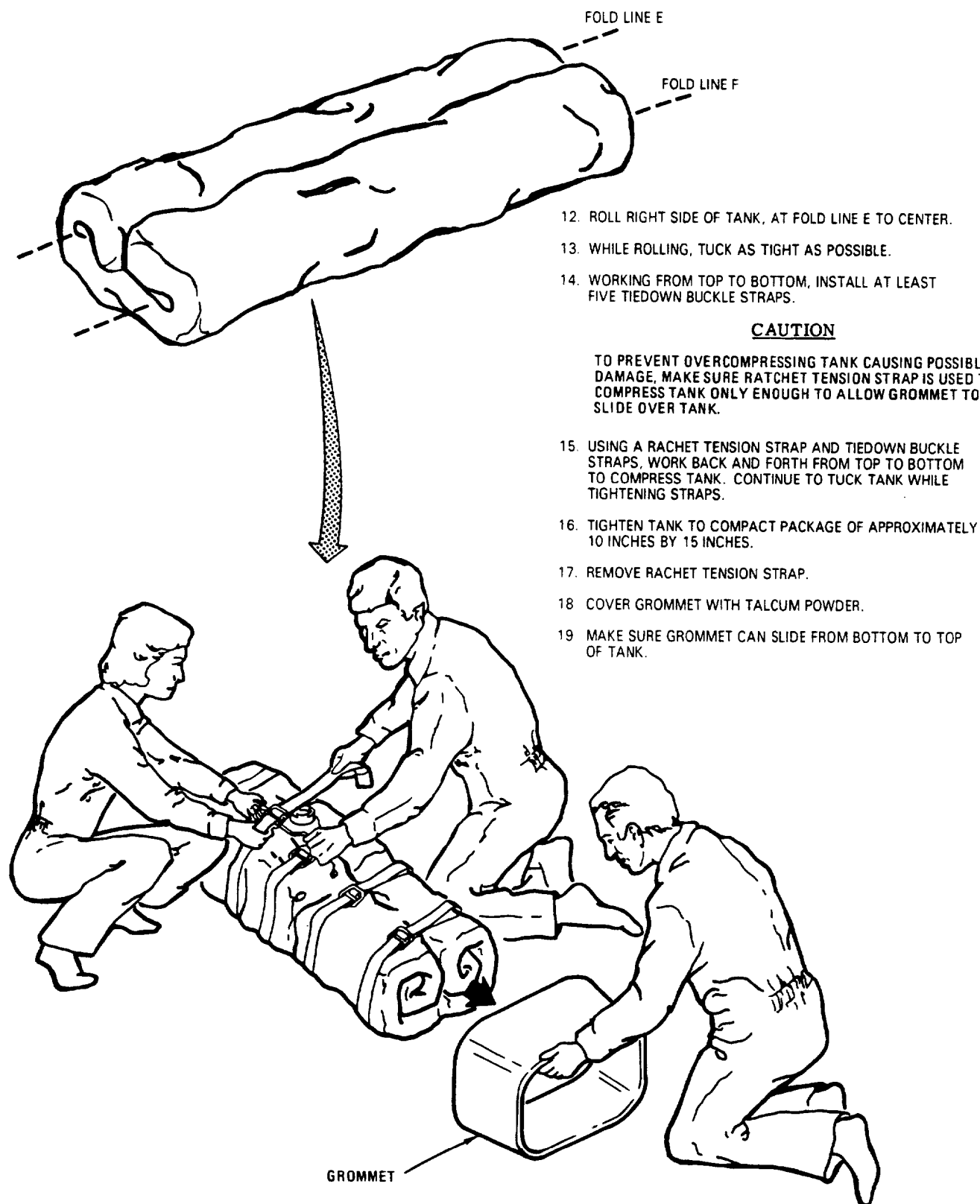
10. ROLL LEFT SIDE OF TANK, AT FOLD LINE F TO CENTER.

11. WHILE ROLLING, TUCK AS TIGHT AS POSSIBLE.



02500203

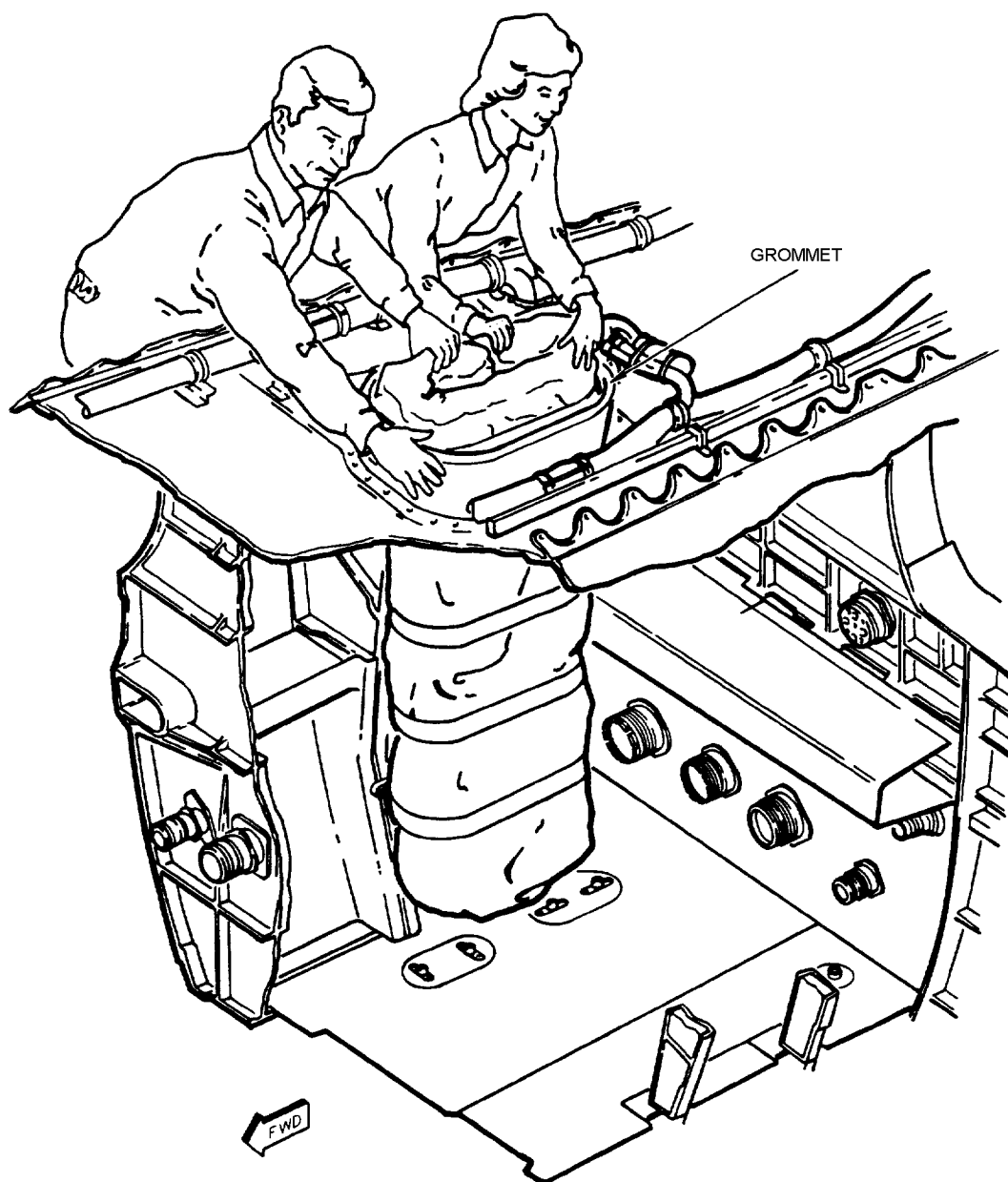
Figure 2. Installation - No. 3 Fuel Tank Folding (Sheet 3)



02500204

Figure 2. Installation - No. 3 Fuel Tank Folding (Sheet 4)

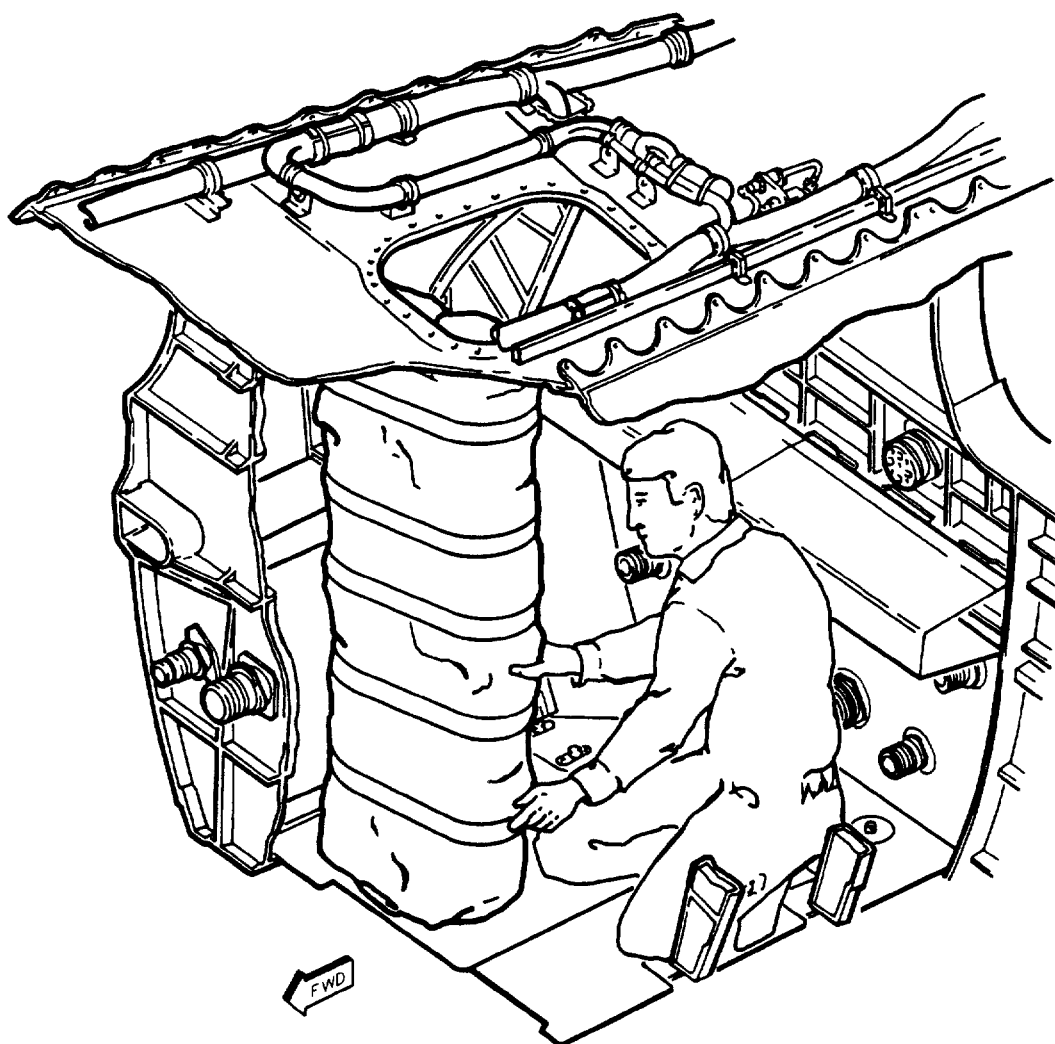
20. INSTALL GROMMET, THEN POSITION FUEL TANK IN ACCESS OPENING WITH ROLLED SIDES FACING FOWARD AND AFT.
21. CAREFULLY GUIDE TANK THROUGH ACCESS OPENING BUT DO NOT USE FORCE OR SHARP TOOLS.



02500205

Figure 2. Installation - No. 3 Fuel Tank Folding (Sheet 5)

22. REMOVE GROMMET
23. POSITION TANK AGAINST FORWARD BULKHEAD AS SHOWN.
24. REMOVE TIEDOWN BUCKLE STRAPS (BOTTOM TO TOP) FROM CAVITY WHILE ORIENTING TANK TO CAVITY.
25. REMOVE PROTECTOR CAPS FROM INSIDE TANK.
26. LACE TANK PER WP023 00.



02500206

Figure 2. Installation - No. 3 Fuel Tank Folding (Sheet 6)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
NO. 3 FUEL TANK CAVITY FOAM FILTER
FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuel Tank Cavity Preparation	WP039 00
No. 2 and No. 3 Fuel Tank Backing Boards	WP035 01

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shut off Valve and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Fuel Tanks 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

Support Equipment Required

None

Materials Required

Specification or Part Number	Nomenclature
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
EC847 (CAGE 04963)	Adhesive
-	Plastic or Wooden Scraper
TT-I-735 (CAGE 81348)	Isopropyl Alcohol

1. REMOVAL.

a. Observe applicable fuel tank maintenance precautions (WP013 00).

b. Remove foam filler that is:

(1) damaged

(2) fuel soaked (Fuel soaked foam blocks lose rigidity, will seep fuel when compressed and/or come apart when handled, WP039 00)

(3) loose

c. Remove anti-chafe tape that is:

(1) damaged

(2) loose

d. Scrape away adhesive using plastic or wooden scraper.

2. INSTALLATION.

a. Observe applicable fuel tank maintenance precautions (WP013 00).

b. Apply anti-chafe tape per WP039 00.

c. Fasteners protruding 0.125 inch require foam filler and anti-chafe tape. Refer to WP039 00.



Isopropyl Alcohol, TT-I-735

2

NOTE

Clean area to be bonded immediately before applying adhesive.

d. Clean surface to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe area with clean, dry cheesecloth before isopropyl alcohol evaporates.

e. Repeat above step until no visible contamination remains.

f. Surface of foam to be bonded must be roughened to expose foam cells.

g. Position foam in place. Apply hand pressure to allow forming around structure and fasteners. Trim as required.



Adhesive, EC847

4

NOTE

To ease installation, floor foam may first be glued to backing board, then position backing board with foam on cavity floor and install. See WP035 01.

h. Apply adhesive to either foam or structure so that foam will be held at edges. Undercut edges or surfaces over protruding fasteners do not have to be bonded. Complete coverage of adhesive is required only on foam that is suspended. Additional adhesive may be used sparingly on larger blocks.

i. Allow adhesive to dry until tacky (5 to 10 minutes). Position foam in place, apply hand pressure to assure proper seating and remove trapped air.

j. Remove excess adhesive from fittings.

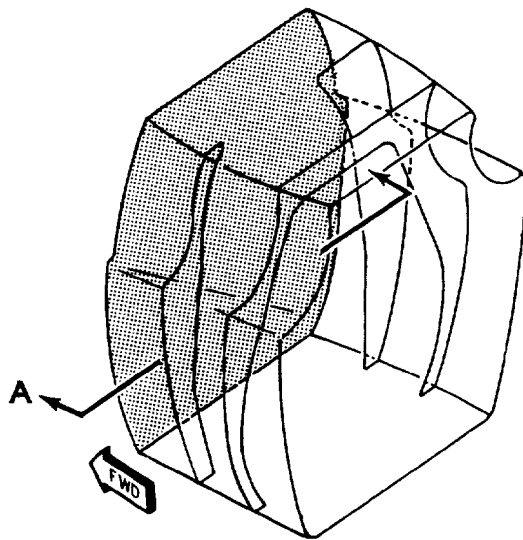
k. Allow bonded foam to air cure a minimum of 2 to 4 hours before fuel cell installation.

3. INSPECTION.

4. Visually inspect (WP039 00) complete cavity for metal edges or protrusions not covered with foam filler or anti-chafe tape which could cause damage to fuel tank. (QA)

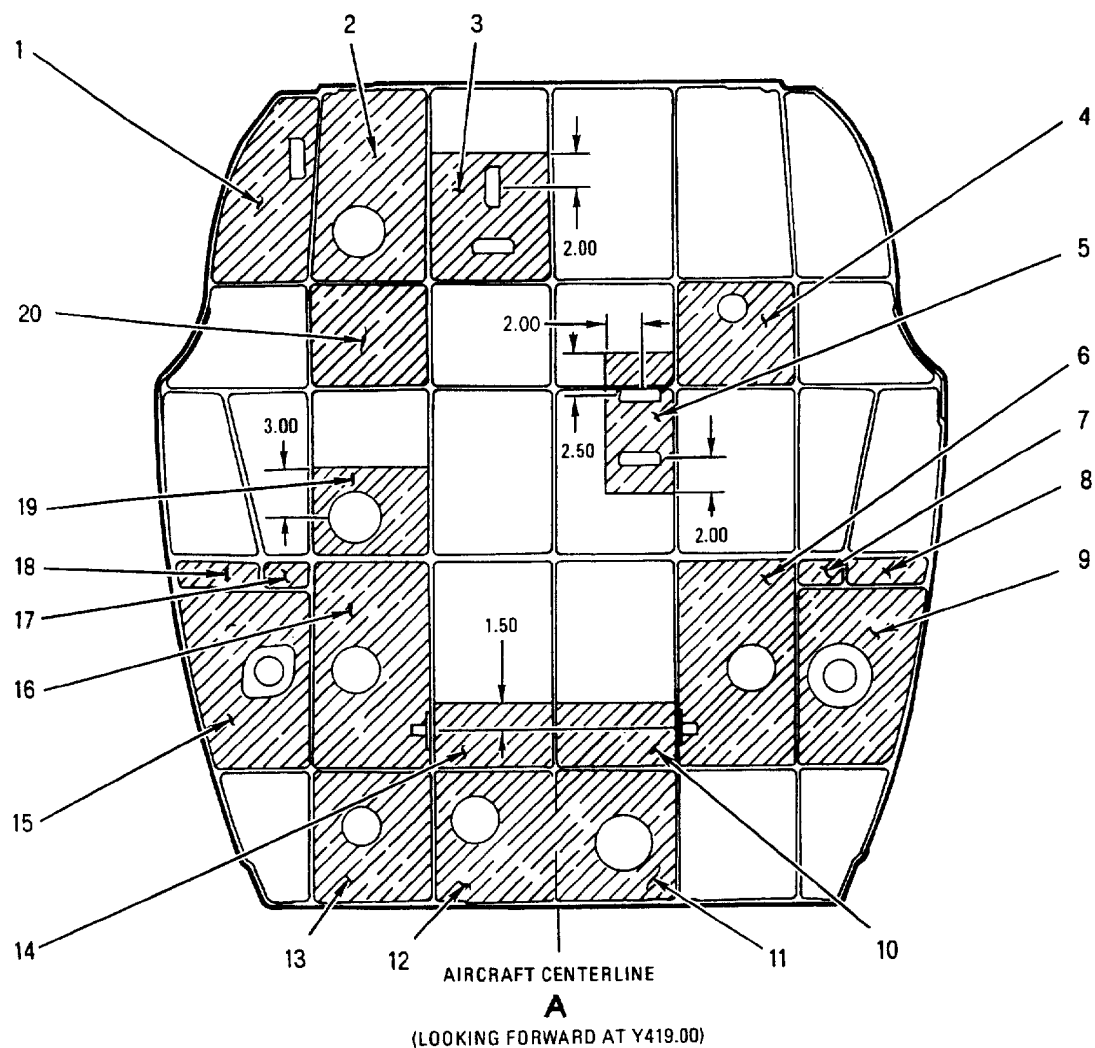
5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



LEGEND

1. ALL DIMENSIONS ARE IN INCHES.



25010101

Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 1)

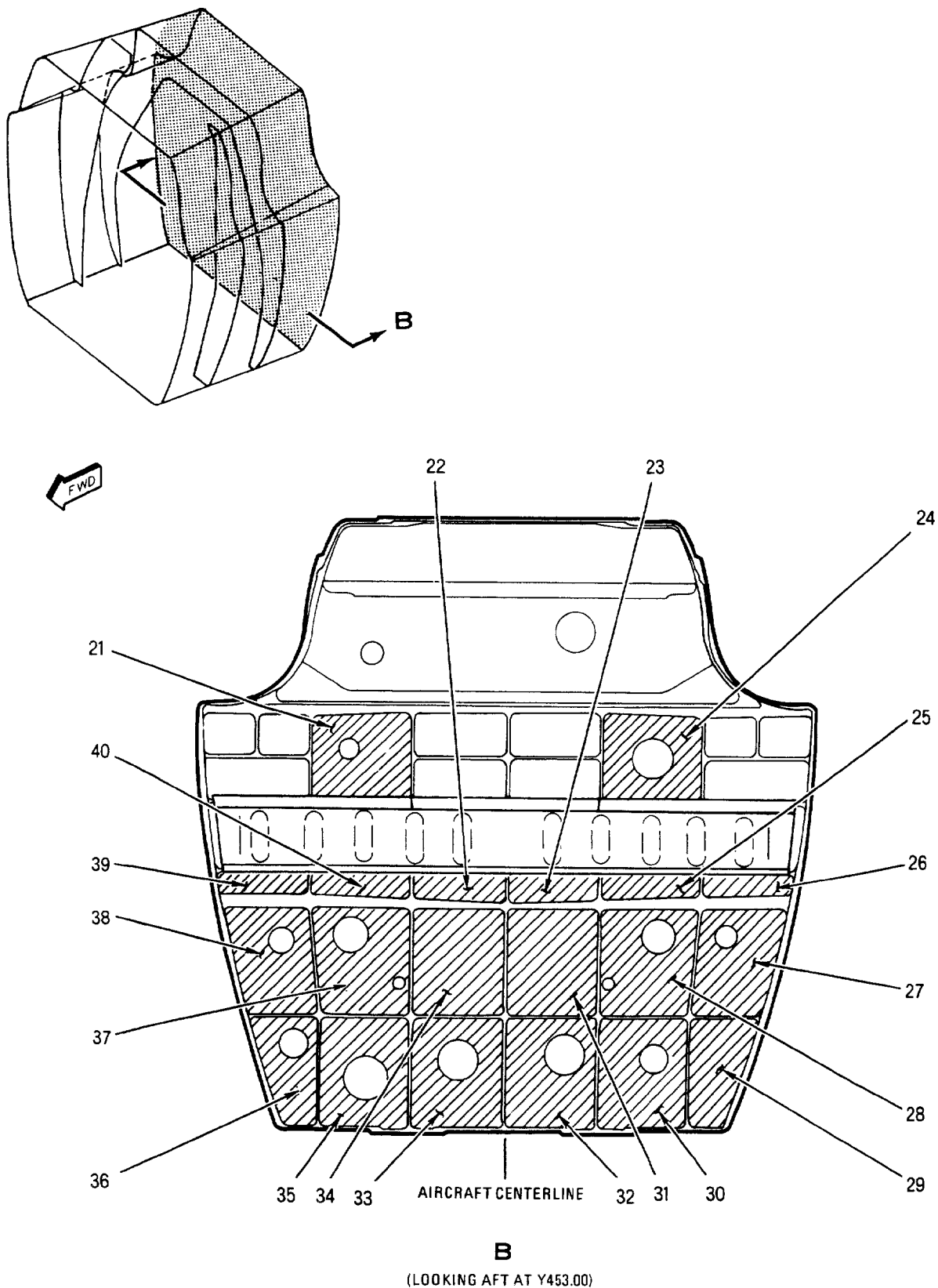


Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 2)

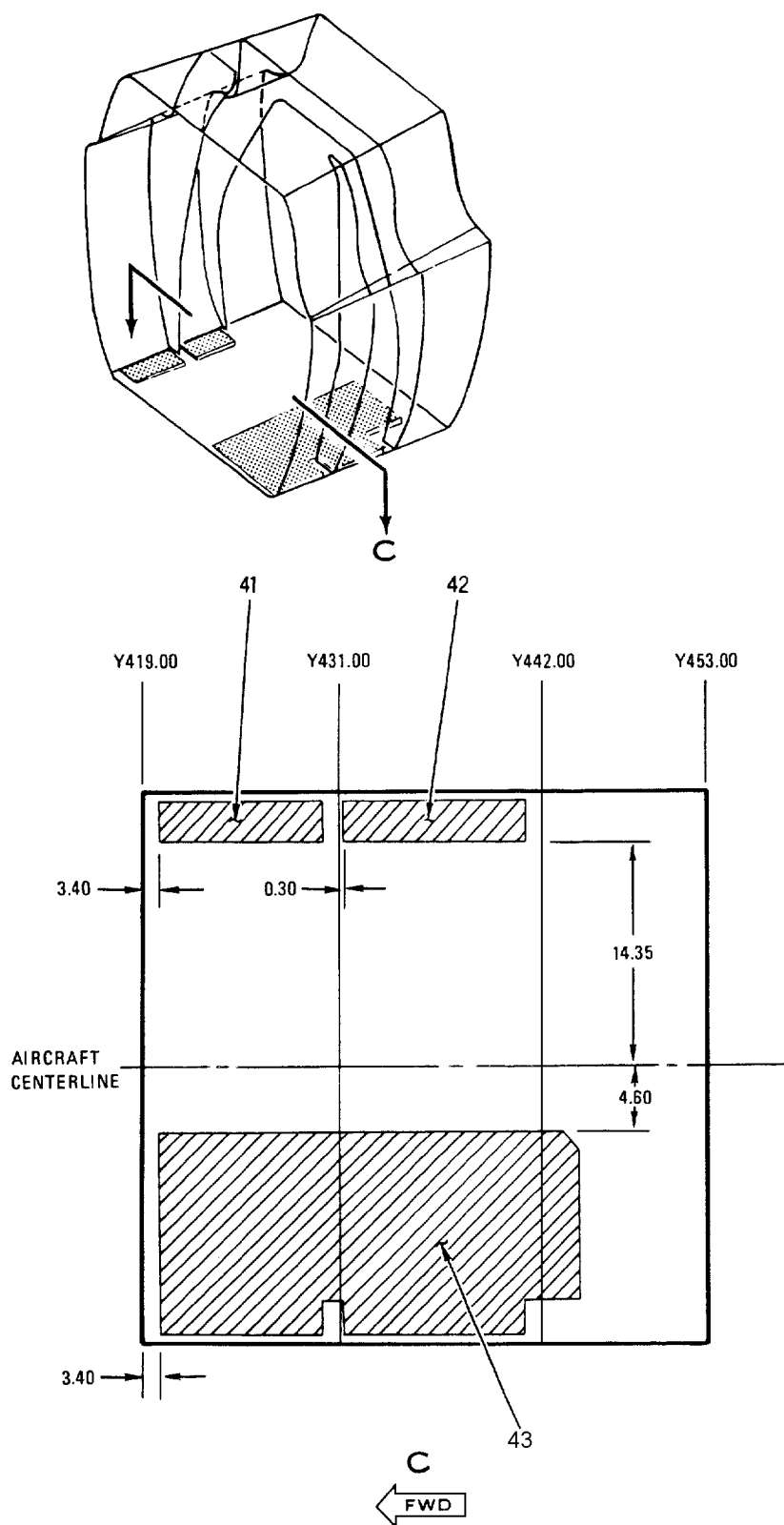


Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 3)

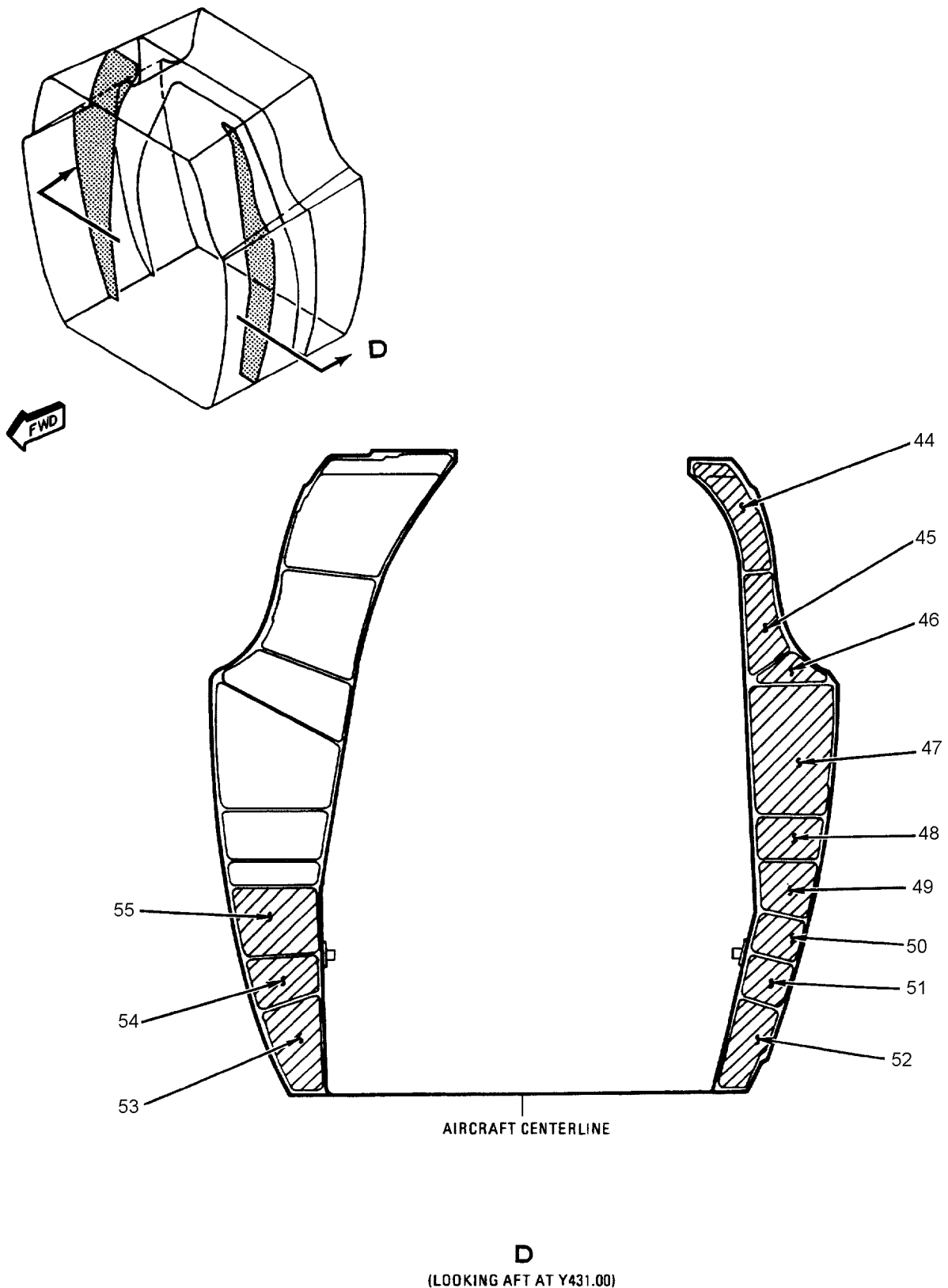
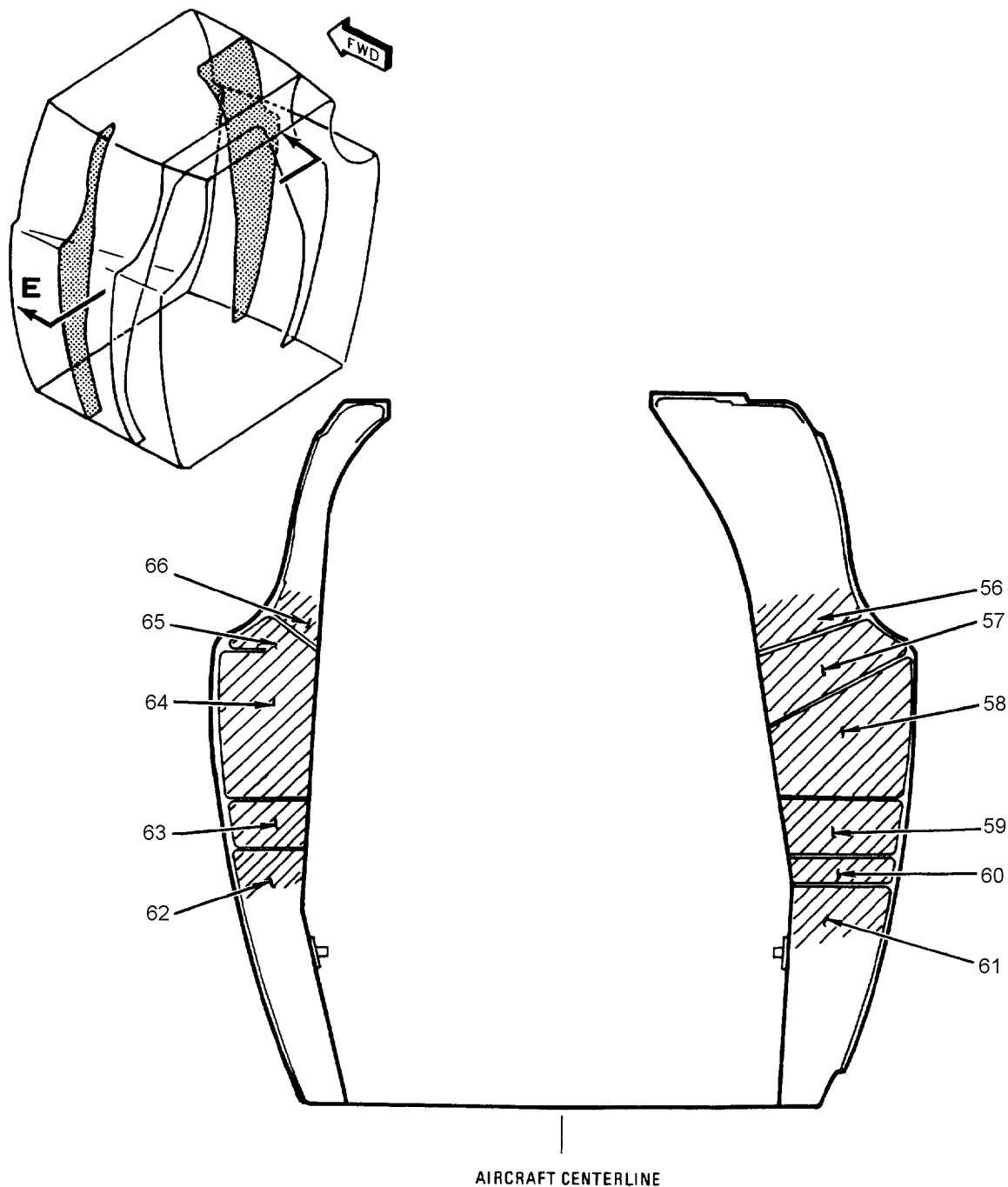


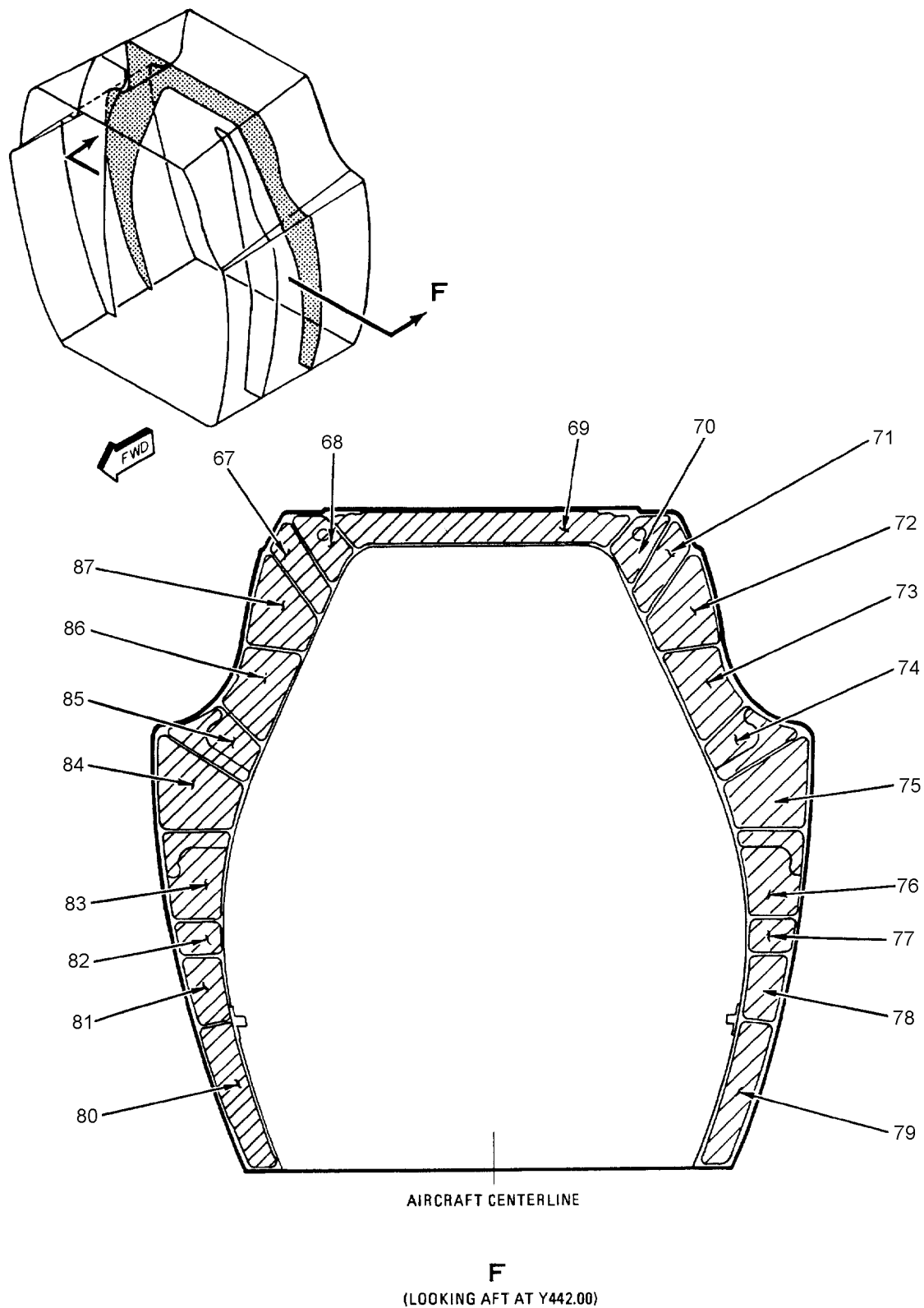
Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 4)



E
(LOOKING FWD AT Y431.00)

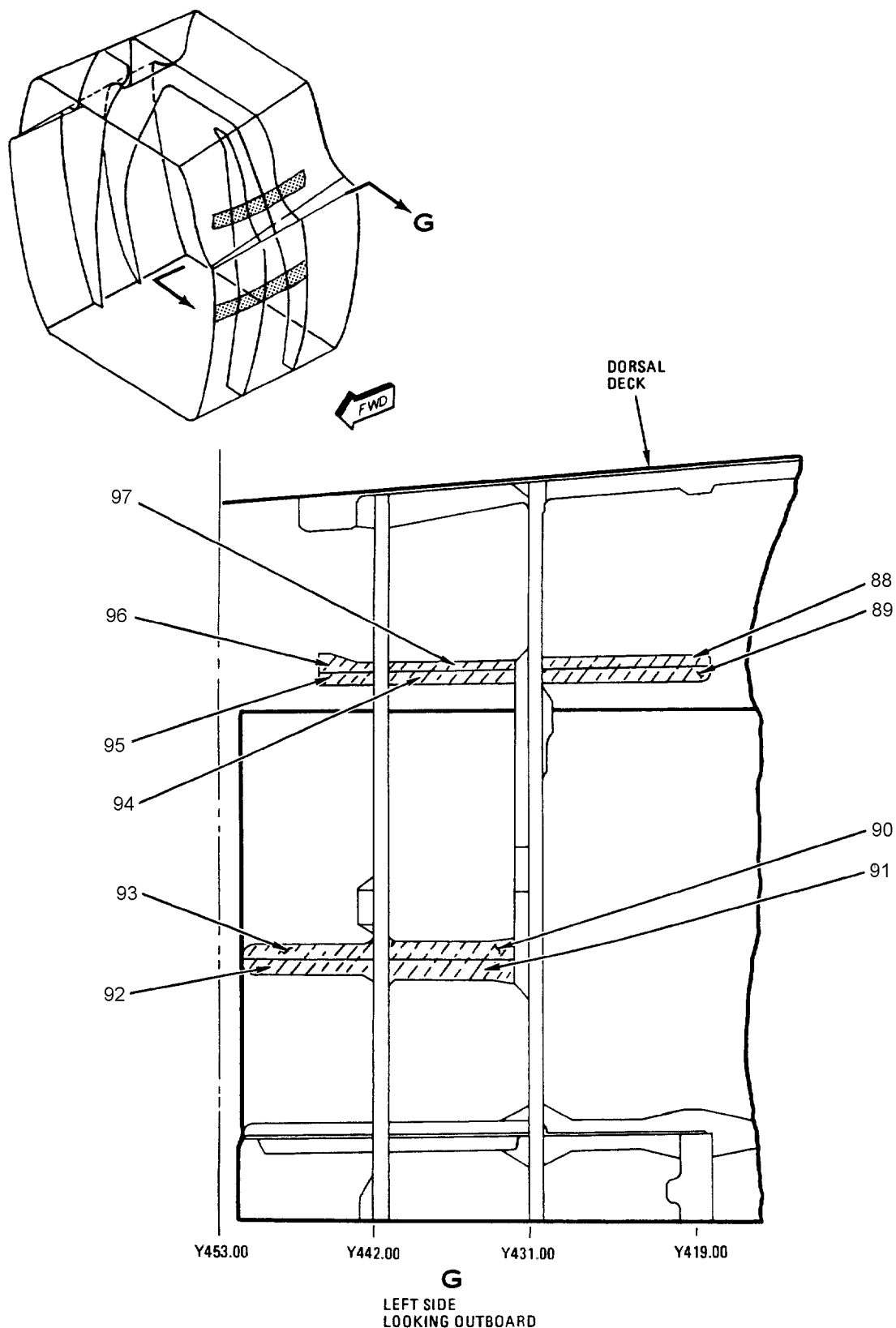
25010105

Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 5)



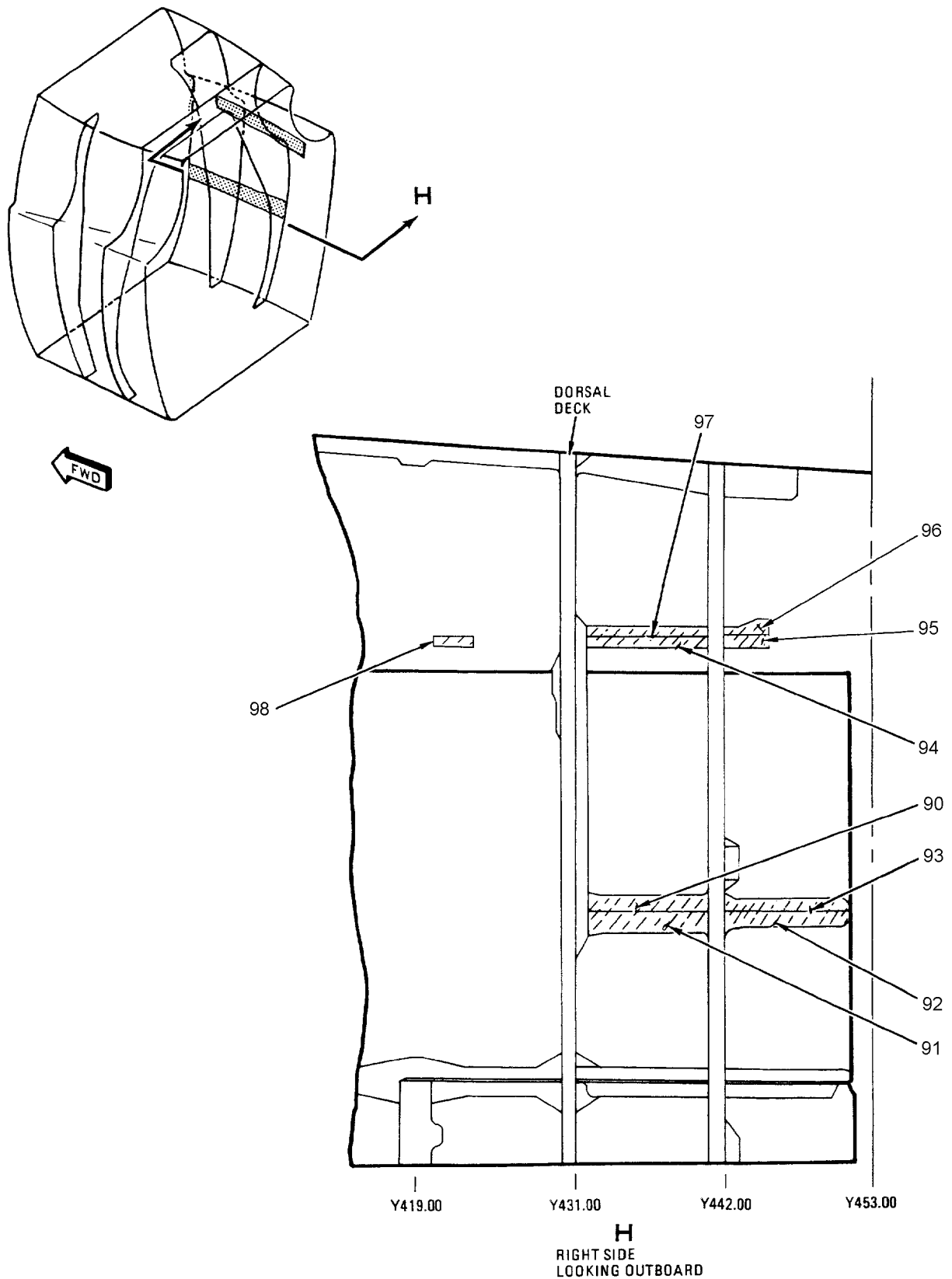
25010106

Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 6)



25010107

Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 7)



25010108

Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		NO. 3 FUEL TANK CAVITY FOAM FILLER -.....									
		161353 THRU 161741									
1	74A586300-2017 +	.						FILLER (FOAM) (76301)	1		MGOZZ
2	74A586300-2015 +	.						FILLER (FOAM) (76301)	1		MGOZZ
3	74A586300-2013 +	.						FILLER (FOAM) (76301)	1		MGOZZ
4	74A586300-2001 +	.						FILLER (FOAM) (76301)	1		MGOZZ
5	74A586300-2003 +	.						FILLER (FOAM) (76301)	1		MGOZZ
6	74A586300-2005 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2359 +	.						SEE ABOVE	1	B	MGOZZ
7	74A586300-2197 +	.						FILLER (FOAM) (76301)	1		MGOZZ
8	74A586300-2191 +	.						FILLER (FOAM) (76301)	1		MGOZZ
9	74A586300-2007 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2357 +	.						SEE ABOVE	1	B	MGOZZ
10	74A586300-2027 +	.						FILLER (FOAM) (76301)	1		MGOZZ
11	74A586300-2009 +	.						FILLER (FOAM) (76301)	1		MGOZZ
12	74A586300-2011 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2365 +	.						SEE ABOVE	1	B	MGOZZ
13	74A586300-2025 +	.						FILLER (FOAM) (76301)	1		MGOZZ
14	74A586300-2039 +	.						FILLER (FOAM) (76301)	1		MGOZZ
15	74A586300-2023 +	.						FILLER (FOAM) (76301)	1		MGOZZ
16	74A586300-2021 +	.						FILLER (FOAM) (76301)	1		MGOZZ
17	74A586300-2195 +	.						FILLER (FOAM) (76301)	1		MGOZZ
18	74A586300-2193 +	.						FILLER (FOAM) (76301)	1		MGOZZ
19	74A586300-2019 +	.						FILLER (FOAM) (76301)	1		MGOZZ
20	74A586300-2187	.						FILLER (FOAM) (76301)	1	C	MGOZZ
21	74A586300-2041 +	.						FILLER (FOAM) (76301)	1		MGOZZ
22	74A586300-2179 +	.						FILLER (FOAM) (76301)	1		MGOZZ
23	74A586300-2171 +	.						FILLER (FOAM) (76301)	1		MGOZZ
24	74A586300-2029 +	.						FILLER (FOAM) (76301)	1		MGOZZ
25	74A586300-2173 +	.						FILLER (FOAM) (76301)	1		MGOZZ
26	74A586300-2177 +	.						FILLER (FOAM) (76301)	1		MGOZZ
27	74A586300-2033 +	.						FILLER (FOAM) (76301)	1		MGOZZ
28	74A586300-2031 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2385 +	.						SEE ABOVE	1	B	MGOZZ
29	74A586300-2189 +	.						FILLER (FOAM) (76301)	1		MGOZZ
30	74A586300-2035 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2383 +	.						SEE ABOVE	1	B	MGOZZ
31	74A586300-2175 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2393 +	.						SEE ABOVE	1	B	MGOZZ
32	74A586300-2037 +	.						FILLER (FOAM) (76301)	1		MGOZZ
33	74A586300-2051 +	.						FILLER (FOAM) (76301)	1		MGOZZ
34	74A586300-2183 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2393 +	.						SEE ABOVE	1	B	MGOZZ
35	74A586300-2047 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2389 +	.						SEE ABOVE	1	B	MGOZZ
36	74A586300-2049 +	.						FILLER (FOAM) (76301)	1		MGOZZ
37	74A586300-2043 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
	74A586300-2386 +	.						SEE ABOVE	1	B	MGOZZ
38	74A586300-2045 +	.						FILLER (FOAM) (76301)	1		MGOZZ
39	74A586300-2185 +	.						FILLER (FOAM) (76301)	1		MGOZZ
40	74A586300-2181 +	.						FILLER (FOAM) (76301)	1		MGOZZ
41	74A586300-2201 +	.						FILLER (FOAM) (76301)	1		MGOZZ
42	74A586300-2203 +	.						FILLER (FOAM) (76301)	1		MGOZZ
43	74A586300-2199 +	.						FILLER (FOAM) (76301)	1		MGOZZ
44	74A586300-2091 +	.						FILLER (FOAM) (76301)	1		MGOZZ
45	74A586300-2089 +	.						FILLER (FOAM) (76301)	1		MGOZZ
46	74A586300-2087 +	.						FILLER (FOAM) (76301)	1		MGOZZ
47	74A586300-2085 +	.						FILLER (FOAM) (76301)	1		MGOZZ
48	74A586300-2083 +	.						FILLER (FOAM) (76301)	1		MGOZZ
49	74A586300-2081 +	.						FILLER (FOAM) (76301)	1		MGOZZ
50	74A586300-2079 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 9)

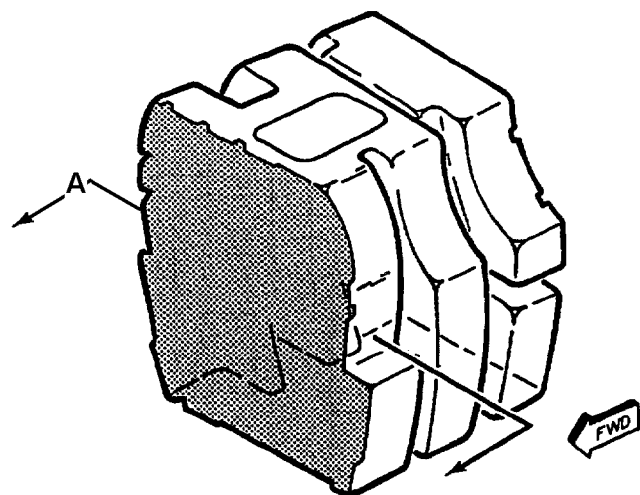
INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
51	74A586300-2077 +	.						FILLER (FOAM) (76301)	1		MGOZZ
52	74A586300-2075 +	.						FILLER (FOAM) (76301)	1		MGOZZ
53	74A586300-2097 +	.						FILLER (FOAM) (76301)	1		MGOZZ
54	74A586300-2095 +	.						FILLER (FOAM) (76301)	1		MGOZZ
55	74A586300-2093 +	.						FILLER (FOAM) (76301)	1		MGOZZ
56	74A586300-2063 +	.						FILLER (FOAM) (76301)	1		MGOZZ
57	74A586300-2061 +	.						FILLER (FOAM) (76301)	1		MGOZZ
58	74A586300-2059 +	.						FILLER (FOAM) (76301)	1		MGOZZ
59	74A586300-2057 +	.						FILLER (FOAM) (76301)	1		MGOZZ
60	74A586300-2055 +	.						FILLER (FOAM) (76301)	1		MGOZZ
61	74A586300-2053 +	.						FILLER (FOAM) (76301)	1		MGOZZ
62	74A586300-2073 +	.						FILLER (FOAM) (76301)	1		MGOZZ
63	74A586300-2071 +	.						FILLER (FOAM) (76301)	1		MGOZZ
64	74A586300-2069 +	.						FILLER (FOAM) (76301)	1		MGOZZ
65	74A586300-2067 +	.						FILLER (FOAM) (76301)	1		MGOZZ
66	74A586300-2065 +	.						FILLER (FOAM) (76301)	1		MGOZZ
67	74A586300-2123 +	.						FILLER (FOAM) (76301)	1		MGOZZ
68	74A586300-2121 +	.						FILLER (FOAM) (76301)	1		MGOZZ
69	74A586300-2119 +	.						FILLER (FOAM) (76301)	1		MGOZZ
70	74A586300-2099 +	.						FILLER (FOAM) (76301)	1		MGOZZ
71	74A586300-2101 +	.						FILLER (FOAM) (76301)	1		MGOZZ
72	74A586300-2103 +	.						FILLER (FOAM) (76301)	1		MGOZZ
73	74A586300-2105 +	.						FILLER (FOAM) (76301)	1		MGOZZ
74	74A586300-2107 +	.						FILLER (FOAM) (76301)	1		MGOZZ
75	74A586300-2109 +	.						FILLER (FOAM) (76301)	1		MGOZZ
76	74A586300-2111 +	.						FILLER (FOAM) (76301)	1		MGOZZ
77	74A586300-2113 +	.						FILLER (FOAM) (76301)	1		MGOZZ
78	74A586300-2115 +	.						FILLER (FOAM) (76301)	1		MGOZZ
79	74A586300-2117 +	.						FILLER (FOAM) (76301)	1		MGOZZ
80	74A586300-2139 +	.						FILLER (FOAM) (76301)	1		MGOZZ
81	74A586300-2137 +	.						FILLER (FOAM) (76301)	1		MGOZZ
82	74A586300-2135 +	.						FILLER (FOAM) (76301)	1		MGOZZ
83	74A586300-2133 +	.						FILLER (FOAM) (76301)	1		MGOZZ
84	74A586300-2131 +	.						FILLER (FOAM) (76301)	1		MGOZZ
85	74A586300-2129 +	.						FILLER (FOAM) (76301)	1		MGOZZ
86	74A586300-2127 +	.						FILLER (FOAM) (76301)	1		MGOZZ
87	74A586300-2125 +	.						FILLER (FOAM) (76301)	1		MGOZZ
88	74A586300-2141 +	.						FILLER (FOAM) (76301)	1		MGOZZ
89	74A586300-2143 +	.						FILLER (FOAM) (76301)	1		MGOZZ
90	74A586300-2145 +	.						FILLER (FOAM) (76301)	2		MGOZZ
91	74A586300-2147 +	.						FILLER (FOAM) (76301)	2		MGOZZ
92	74A586300-2159 +	.						FILLER (FOAM) (76301)	2		MGOZZ
93	74A586300-2157 +	.						FILLER (FOAM) (76301)	2		MGOZZ
94	74A586300-2151 +	.						FILLER (FOAM) (76301)	2		MGOZZ
95	74A586300-2155 +	.						FILLER (FOAM) (76301)	2		MGOZZ
96	74A586300-2153 +	.						FILLER (FOAM) (76301)	2		MGOZZ
97	74A586300-2149 +	.						FILLER (FOAM) (76301)	2		MGOZZ
98	74A586300-2163 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 3 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 10)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			

+ REFER TO A1-F18AC-SRM-230, WP020 00 AND
WP022 00 FOR FOAM FILLER DIMENSIONS.

CODE	USABLE ON	MODEL
A	161520 THRU 161528 BEFORE F/A-18 AFC 018 AND F/A-18 AFC 053	F/A-18A
B	161520 THRU 161528 AFTER F/A-18 AFC 018 AND F/A-18 AFC 053	F/A-18A
C	161353 THRU 161527	F/A-18A

**LEGEND**

- 1 THERMAL BLANKETS ONLY
(REFERENCE WPO36 01)
2. ALL DIMENSIONS ARE IN INCHES.

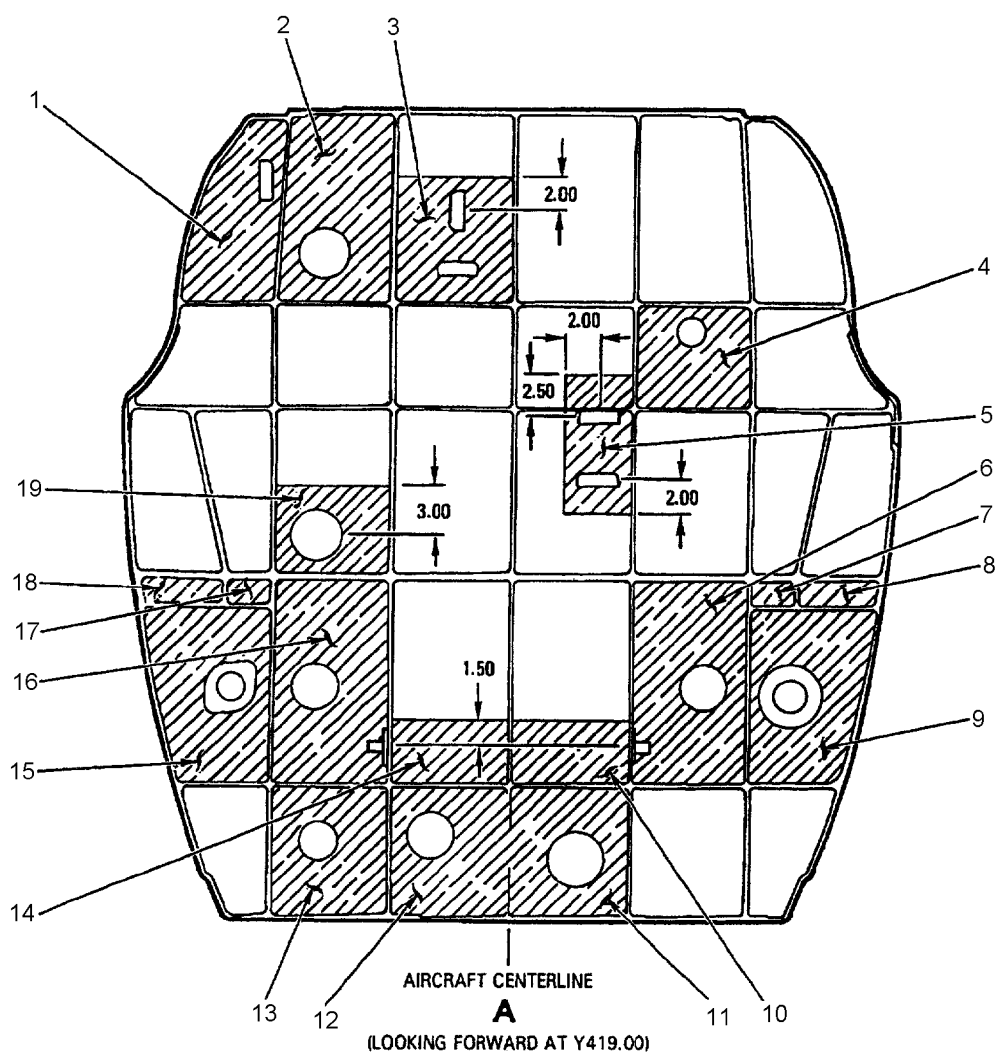


Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 1)

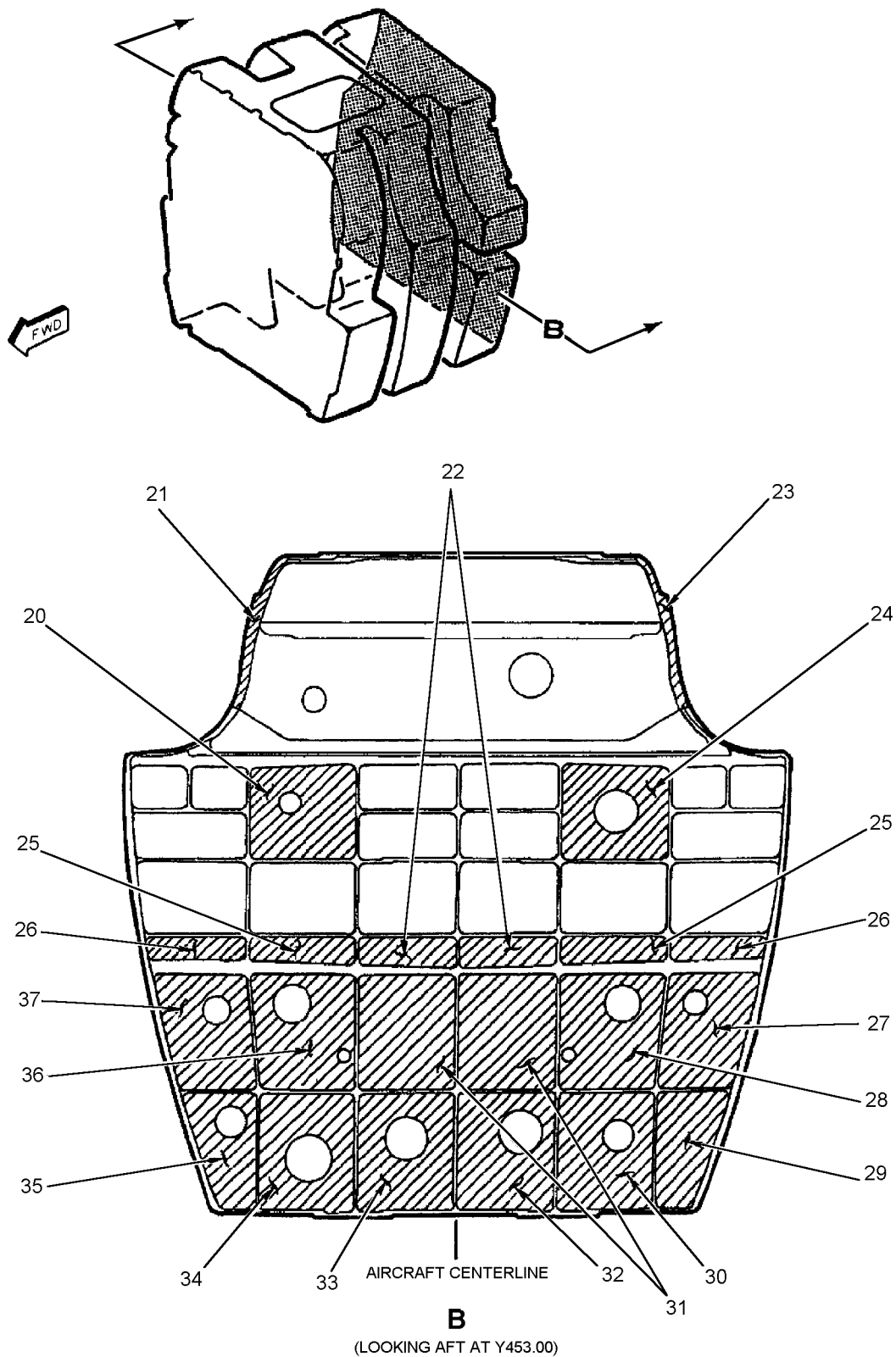


Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 2)

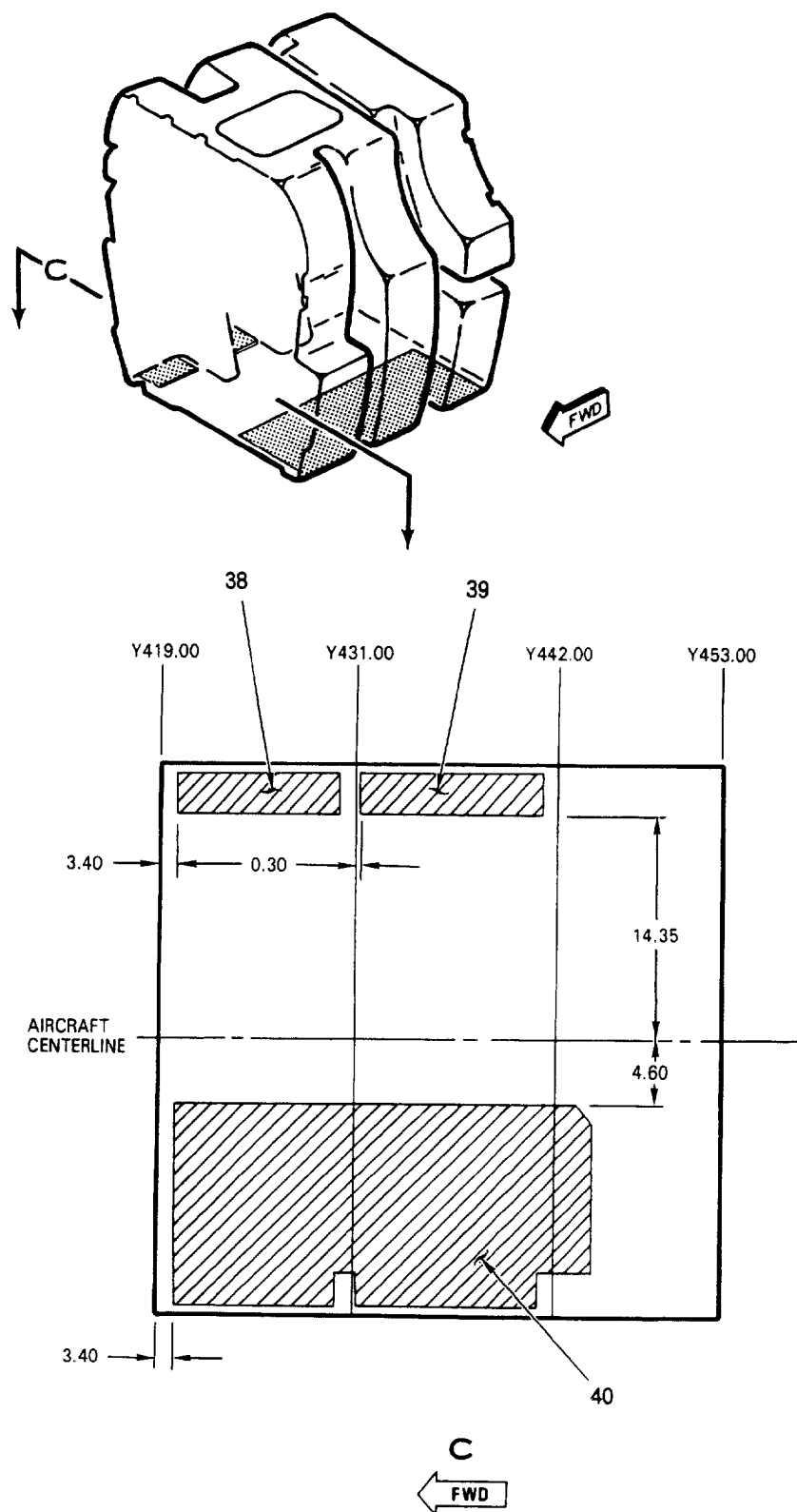


Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 3)

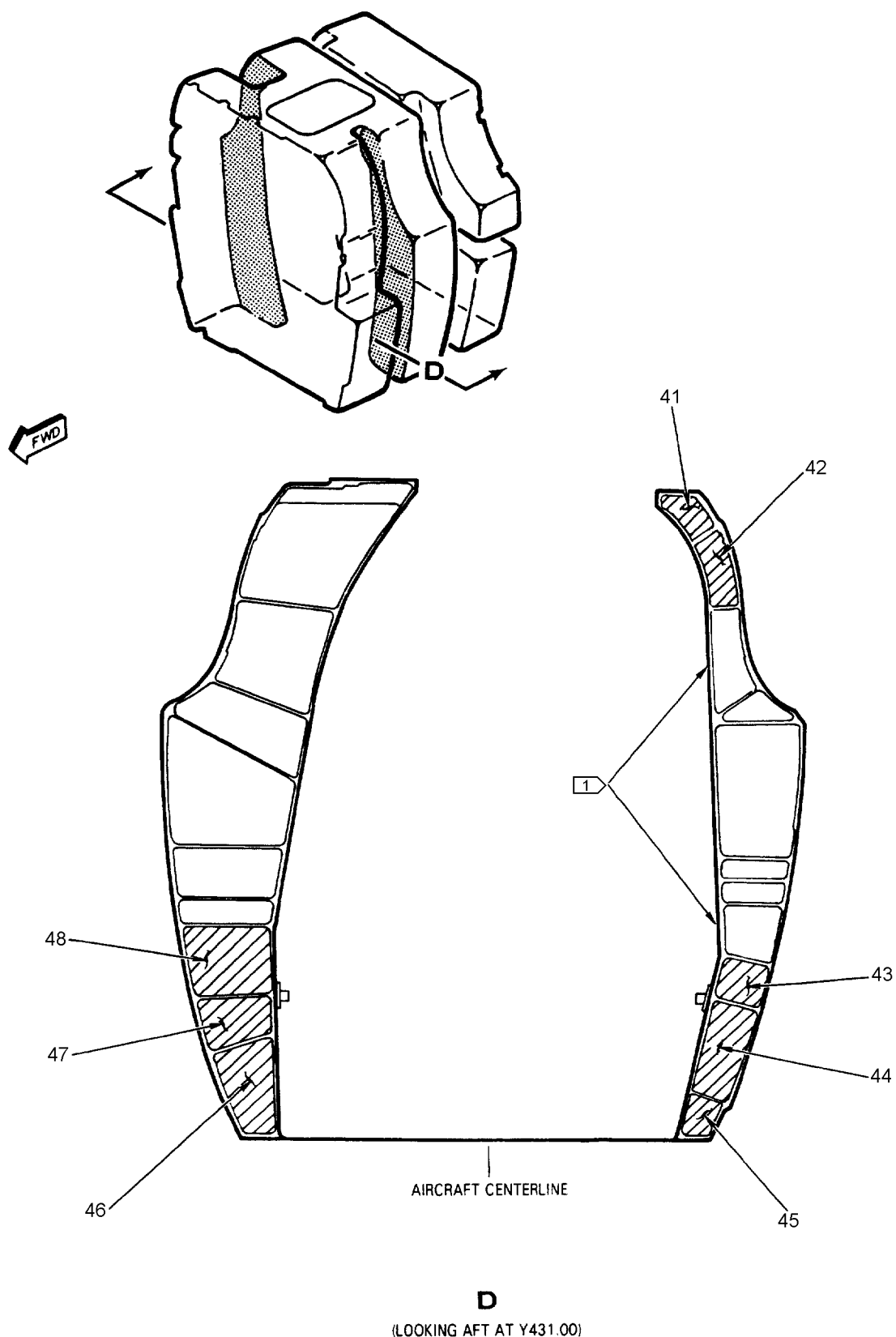


Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 4)

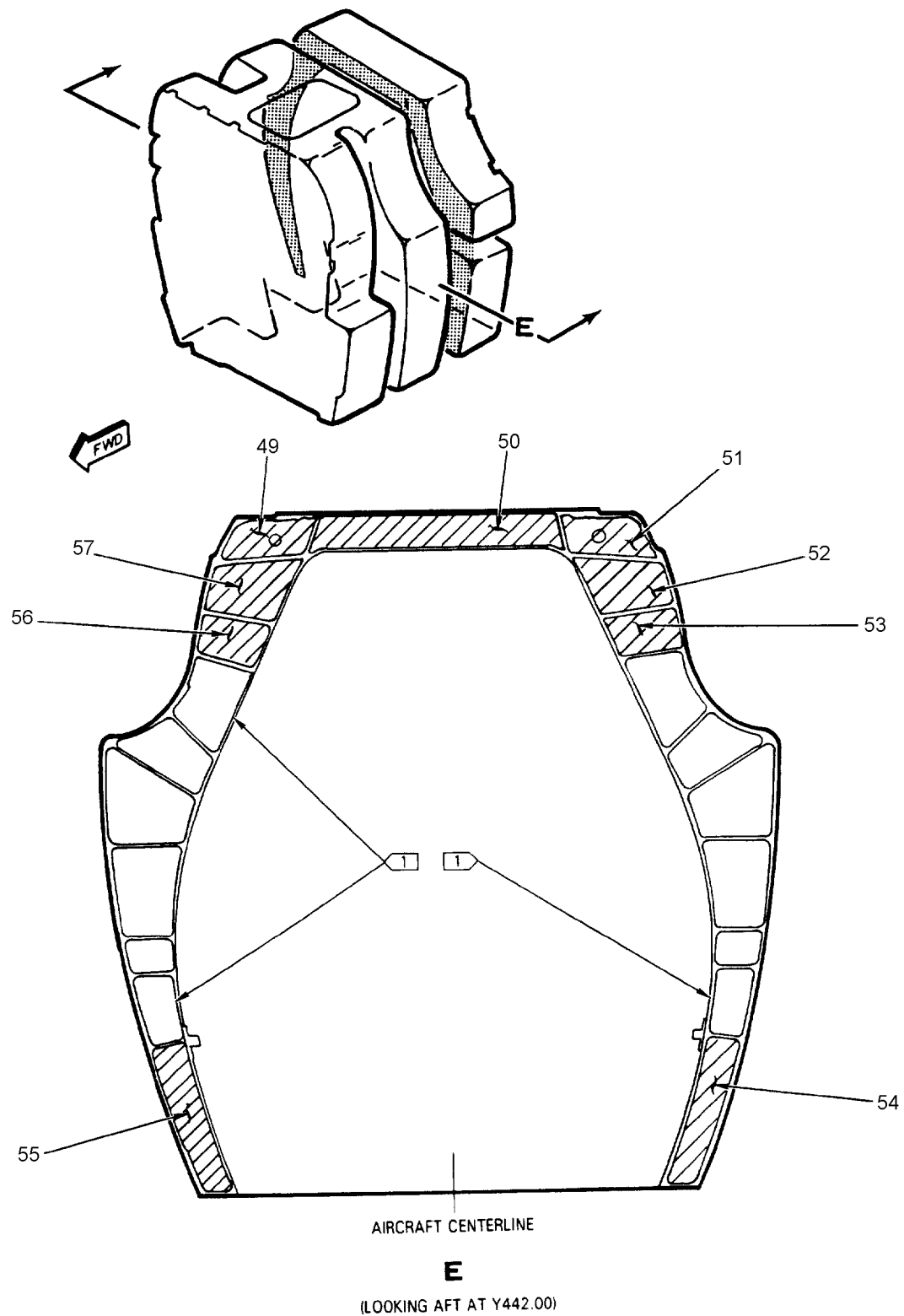
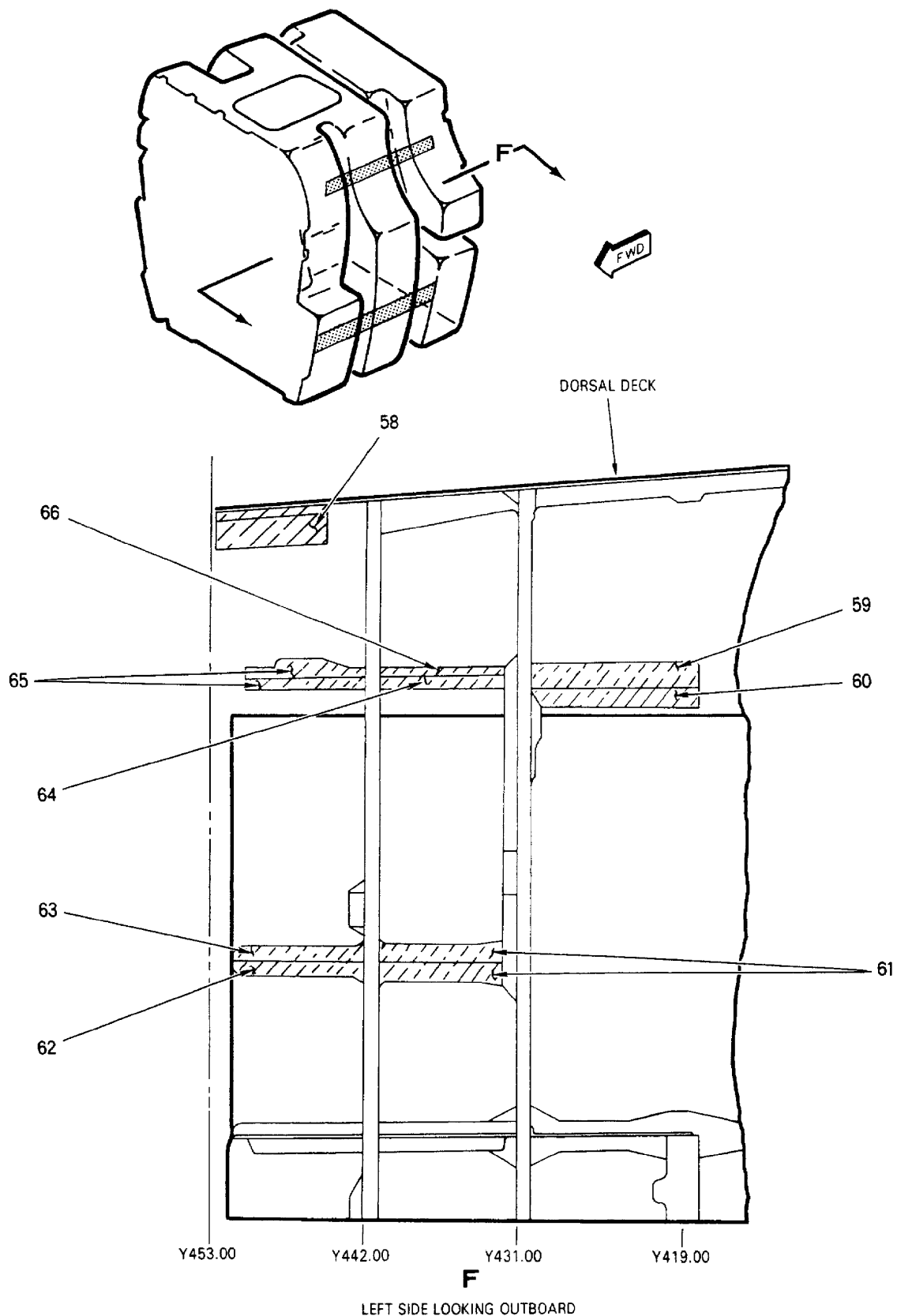


Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 5)



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Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 6)

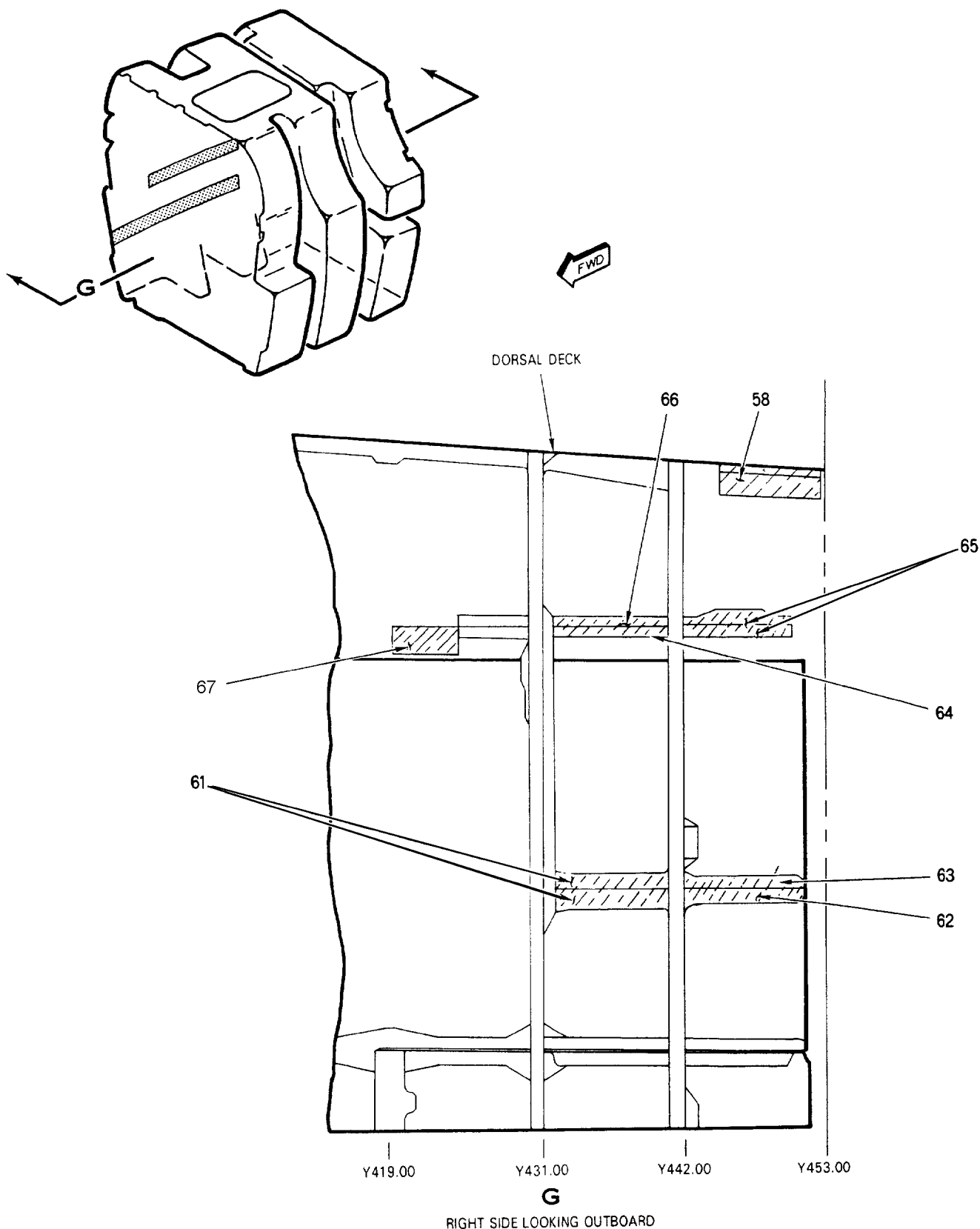


Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 7)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		NO. 3 FUEL TANK CAVITY FOAM FILLER - 161742 AND UP									
1	74A586300-2371 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
2	74A586300-2373 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
3	74A586300-2367 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
4	74A586300-2353 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
5	74A586300-2361 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
6	74A586300-2360 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
7	74A586300-2349 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
8	74A586300-2355 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
9	74A586300-2357 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
10	74A586300-2381 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
11	74A586300-2363 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
12	74A586300-2365 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
13	74A586300-2379 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
14	74A586300-2381 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
15	74A586300-2377 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
16	74A586300-2359 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
17	74A586300-2349 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
18	74A586300-2355 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
19	74A586300-2369 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
20	74A586300-2411 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
21	74A586300-2440 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
22	74A586300-2407 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	2		MGOZZ
23	74A586300-2439 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
24	74A586300-2409 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
25	74A586300-2405 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	2		MGOZZ
26	74A586300-2403 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	2		MGOZZ
27	74A586300-2397 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
28	74A586300-2385 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
29	74A586300-2399 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
30	74A586300-2383 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
31	74A586300-2393 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	2		MGOZZ
32	74A586300-2387 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
33	74A586300-2391 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
34	74A586300-2389 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
35	74A586300-2401 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
36	74A586300-2386 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
37	74A586300-2395 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
38	74A586300-2201 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
39	74A586300-2203 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
40	74A586300-2199 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
41	74A586300-2431 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
42	74A586300-2429 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
43	74A586300-2427 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
44	74A586300-2425 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
45	74A586300-2423 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
46	74A586300-2433 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
47	74A586300-2435 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
48	74A586300-2437 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
49	74A586300-2419 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
50	74A586300-2421 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
51	74A586300-2420 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
52	74A586300-2417 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
53	74A586300-2415 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
54	74A586300-2312 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
55	74A586300-2311 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
56	74A586300-2415 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
57	74A586300-2417 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ
58	74A586300-2443 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	2	A	MGOZZ
	74A586300-2441 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	2	B	MGOZZ
59	74A586300-2341 +	.	FILLER (FOAM) (76301)	.	.	.	.	.	1		MGOZZ

Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
60	74A586300-2345 +	.						FILLER (FOAM) (76301)	1		MGOZZ
61	74A586300-2337 +	.						FILLER (FOAM) (76301)	4		MGOZZ
62	74A586300-2159 +	.						FILLER (FOAM) (76301)	2		MGOZZ
63	74A586300-2157 +	.						FILLER (FOAM) (76301)	2		MGOZZ
64	74A586300-2151 +	.						FILLER (FOAM) (76301)	1		MGOZZ
65	74A586300-2343 +	.						FILLER (FOAM) (76301)	4		MGOZZ
66	74A586300-2149 +	.						FILLER (FOAM) (76301)	2		MGOZZ
67	74A586300-2347 +	.						FILLER (FOAM) (76301)	1		MGOZZ

+ REFER TO A1-F18AC-SRM-230, WP020 00 AND
WP022 00 FOR FOAM FILLER DIMENSIONS.

CODE	USABLE ON	MODEL
A	161742 THRU 161759 161945 & UP	F/A-18A/B
B	161760 THRU 161944	F/A-18A/B

Figure 2. No. 3 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 9)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
REMOVAL - NO. 4 FUEL TANK (5CAP520)
FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
No. 4 Fuel Tank Inspection and Folding	WP029 00
IPB - No. 4 Fuel Tank	WP028 00
No. 4 Fuel Tank Cavity Foam Filler	WP029 01
Fuel Tank Cavity Repair	WP038 00
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00
Fuel Tank Cavity Thermal Blankets	WP036 01
No. 4 Fuel Tank Cavity Bulkhead Fittings and Support	WP043 00
Environmental Control Systems	A1-F18AC-410-300
Bleed Air Forward Dorsal Duct Assembly	WP011 00
Bleed Air Aft Dorsal Duct Assembly	WP013 00
Piping Installation Manual	A1-F18AC-PIM-000

Alphabetical Index

Subject	Page No.
Cavity Inspection	70
General	2
Materials Required	2
Removal	4
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Jul 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold Modification of (ECP MDA-F/A-18-00084R1)	1 Jun 84	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	Torque Wrench, 0 to 60 Inch-Pounds
-	Torque Wrench, 0 to 120 Inch-Pounds
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/Installation Tool Set
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set
6230-00-270-5419	Electric General Purpose Explosive Proof Lantern

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 26066)	Pressure Sensitive Tape
MIL-B-131, Class 1 (CAGE 81349)	Barrier Material (Heavy Paper or Canvas)

1. GENERAL.**NOTE**

For complete group assembly parts list, see
no. 4 fuel tank IPB (WP028 00).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in a cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

c. Tag assembly with index number been circled on artwork of procedure.

d. Keep parts grouped in containers after removal.

e. Remove bleed air forward and aft dorsal duct assemblies (A1-F18AC-410-300, WP011 00 and WP013 00).

f. Do general preparation for removal (WP013 00).

WARNING

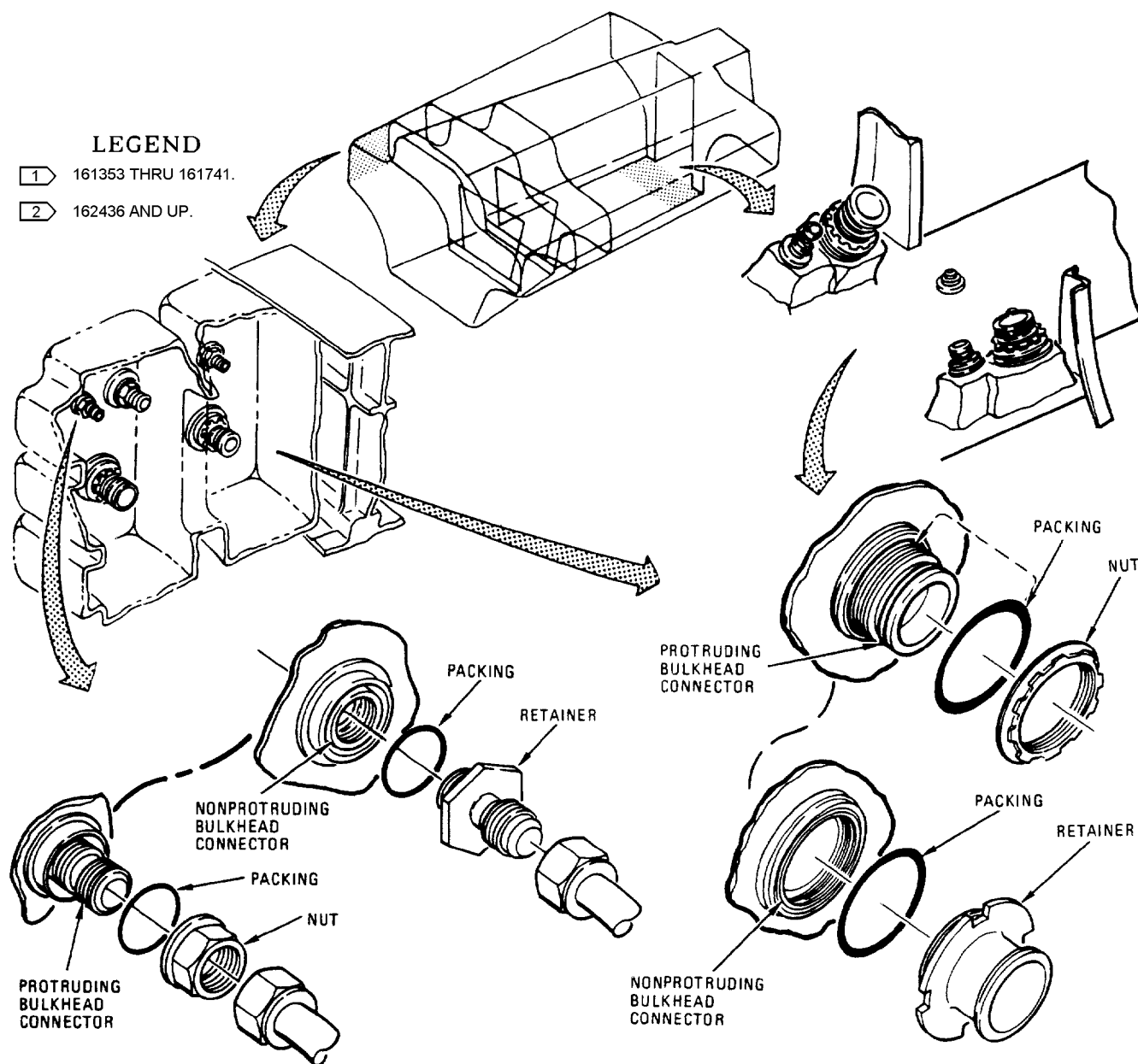
To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

g. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.

NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers from non-protruding type bulkhead connectors.

h. Aircraft may have protruding or nonprotruding type bulkhead connectors, both of which are shown below with related parts.



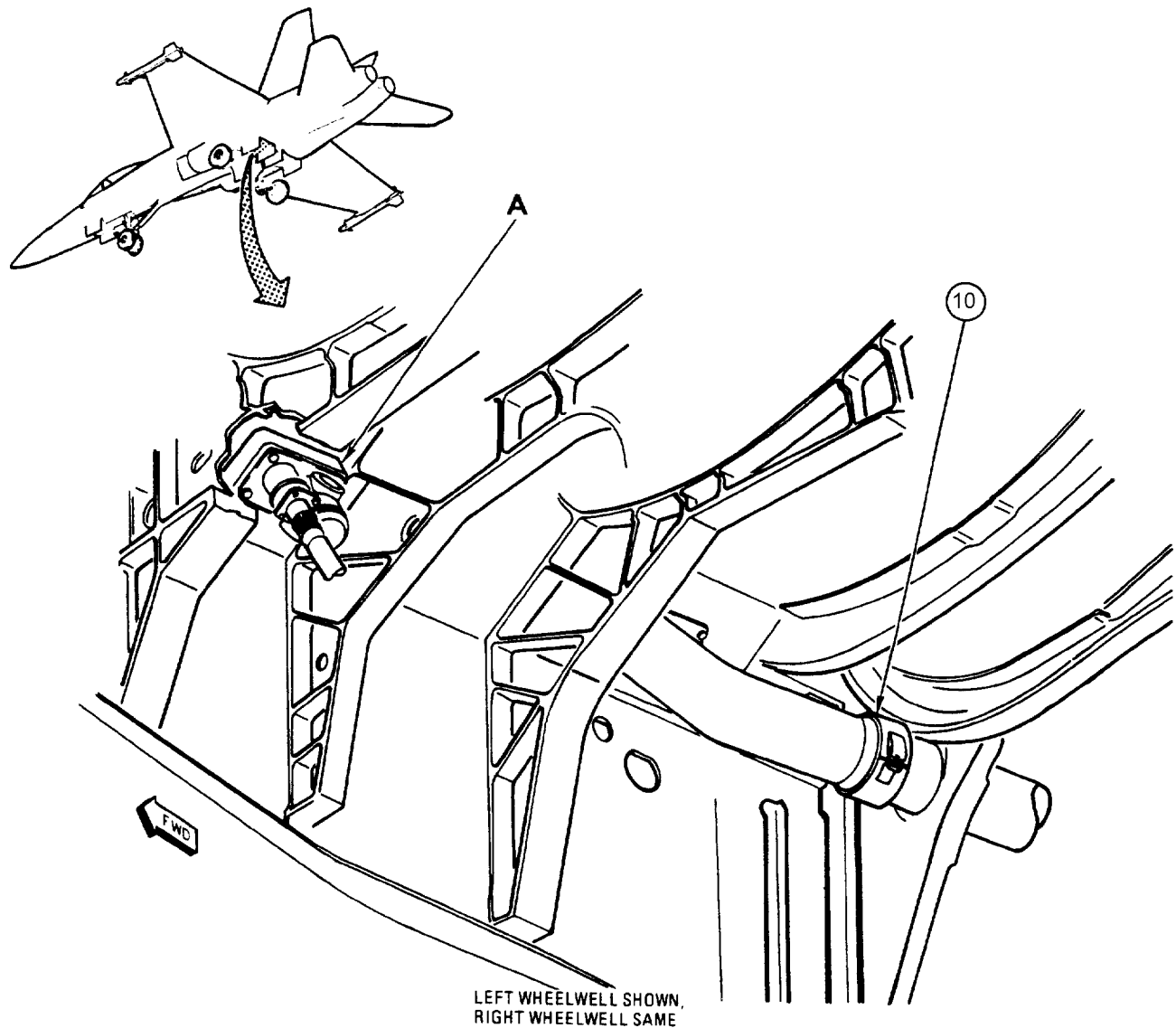
TYPICAL THROUGHOUT TANK 4

2. REMOVAL.**3. SEQUENCE 1.**

a. Rotate manual override arm, in left and right wheelwell, counterclockwise to + (open) position (detail A).

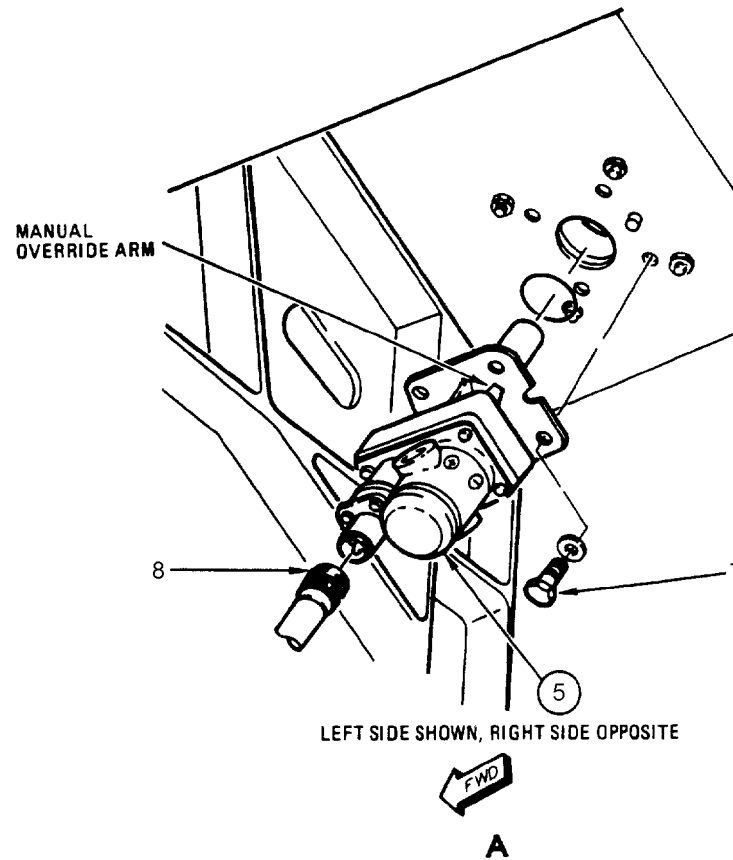
b. Position an approved safety container below motors (detail A) and couplings (10) to catch residual fuel.

c. Disconnect couplings (10) and allow fuel to drain into container.

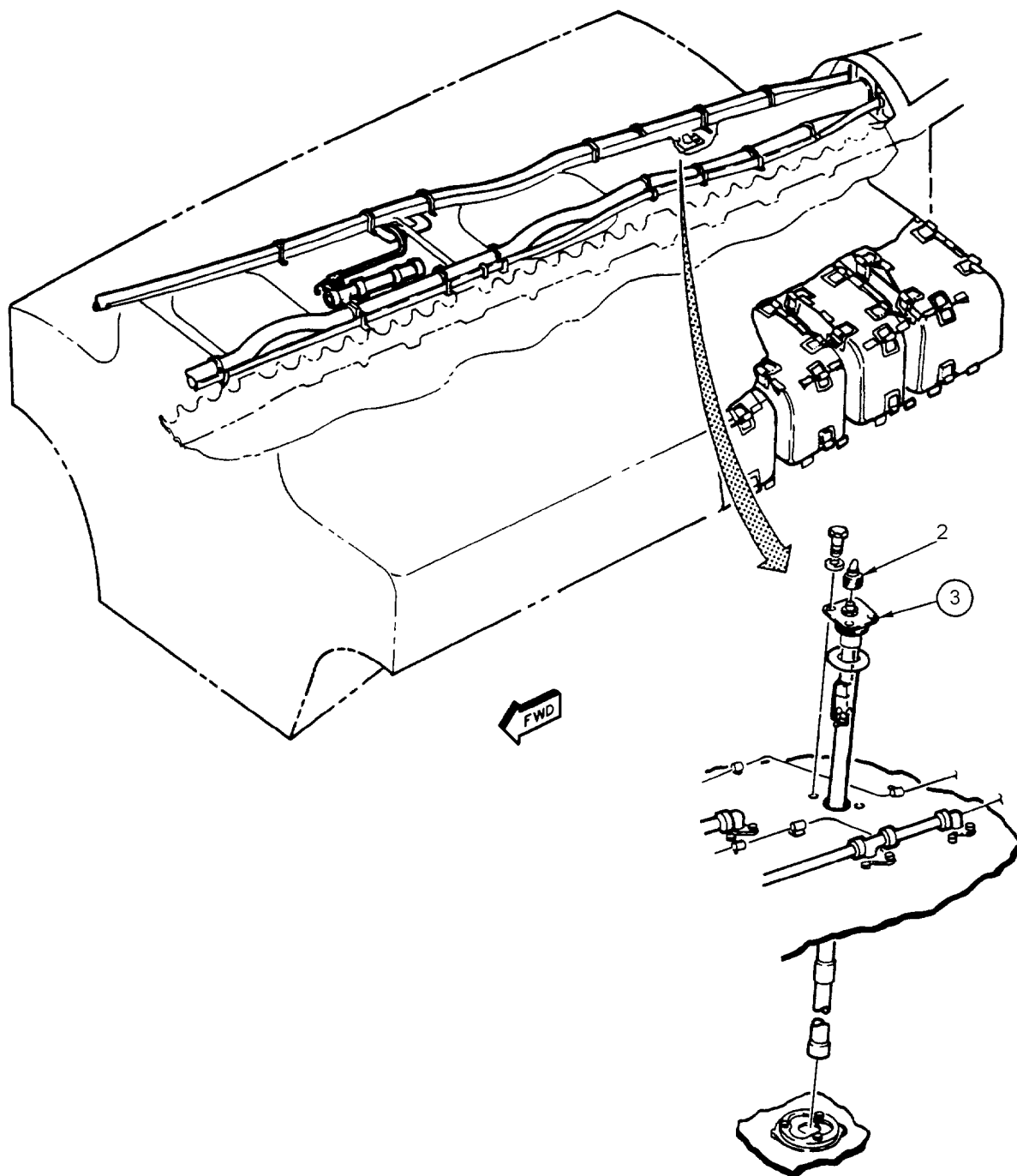


d. Disconnect connector (8).

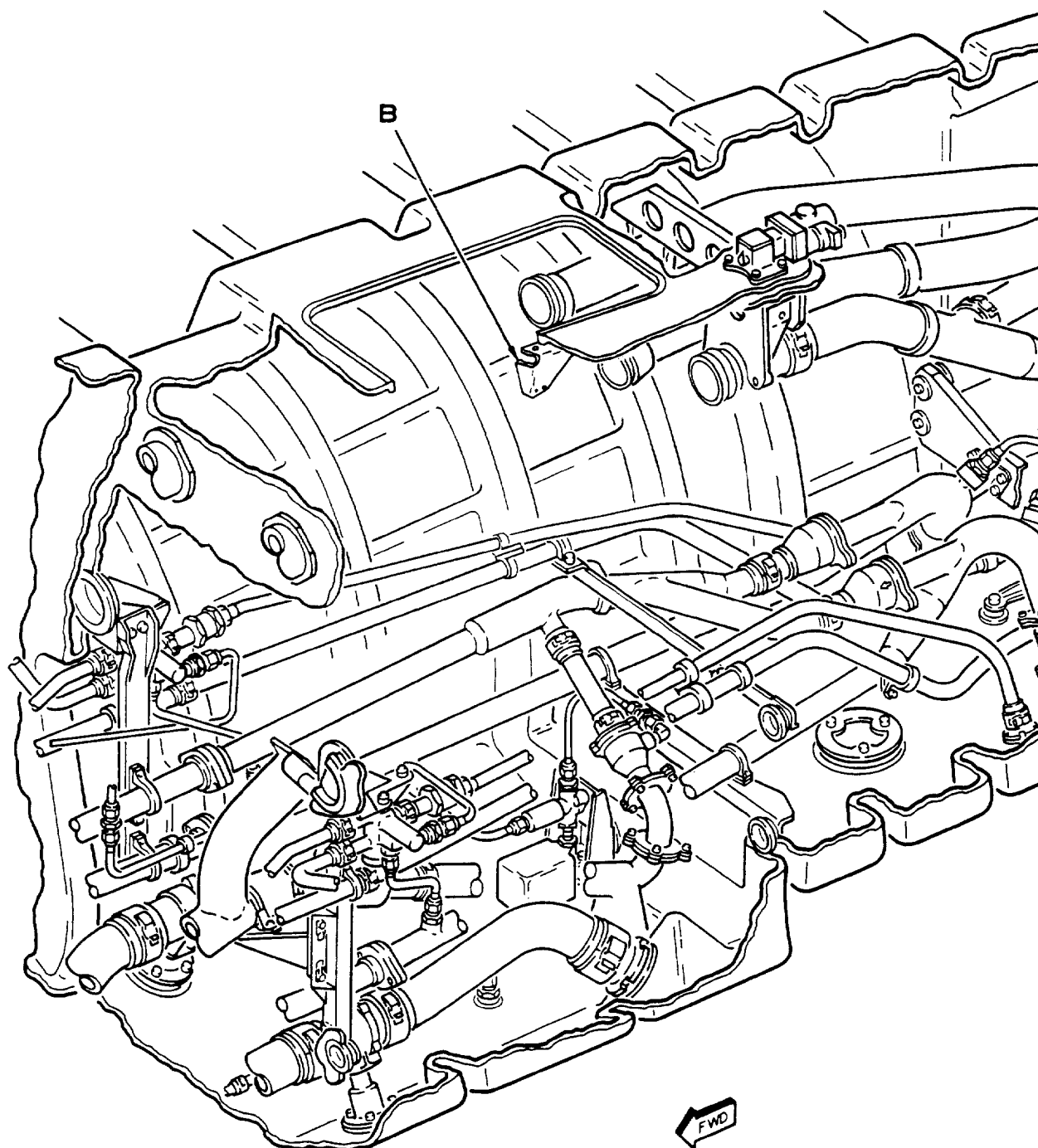
e. Remove bolts (7), motor (5), and attaching parts from left and right side.



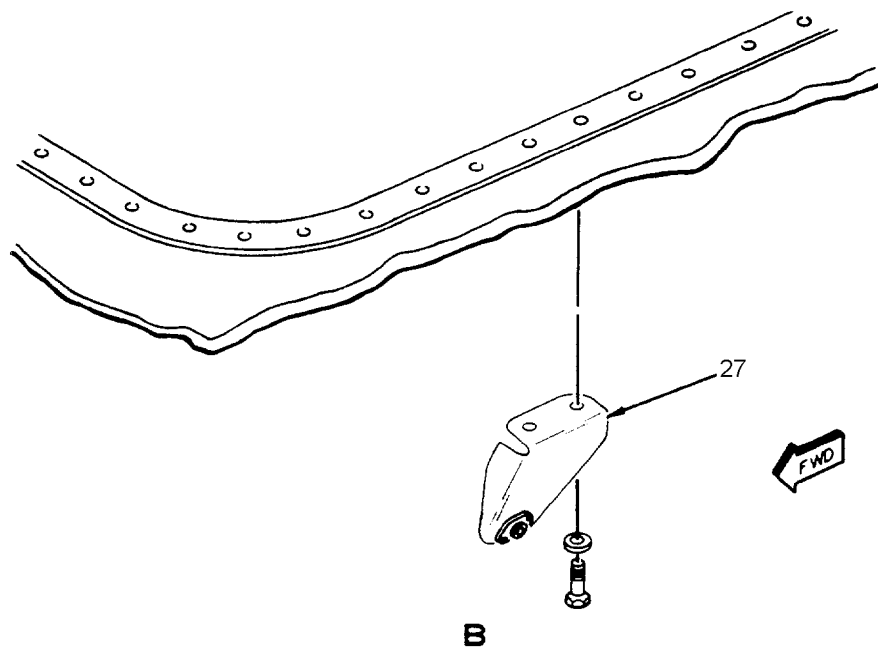
- f. Disconnect connector (2) and remove transmitter (3) and attaching parts.



4. SEQUENCE 2.

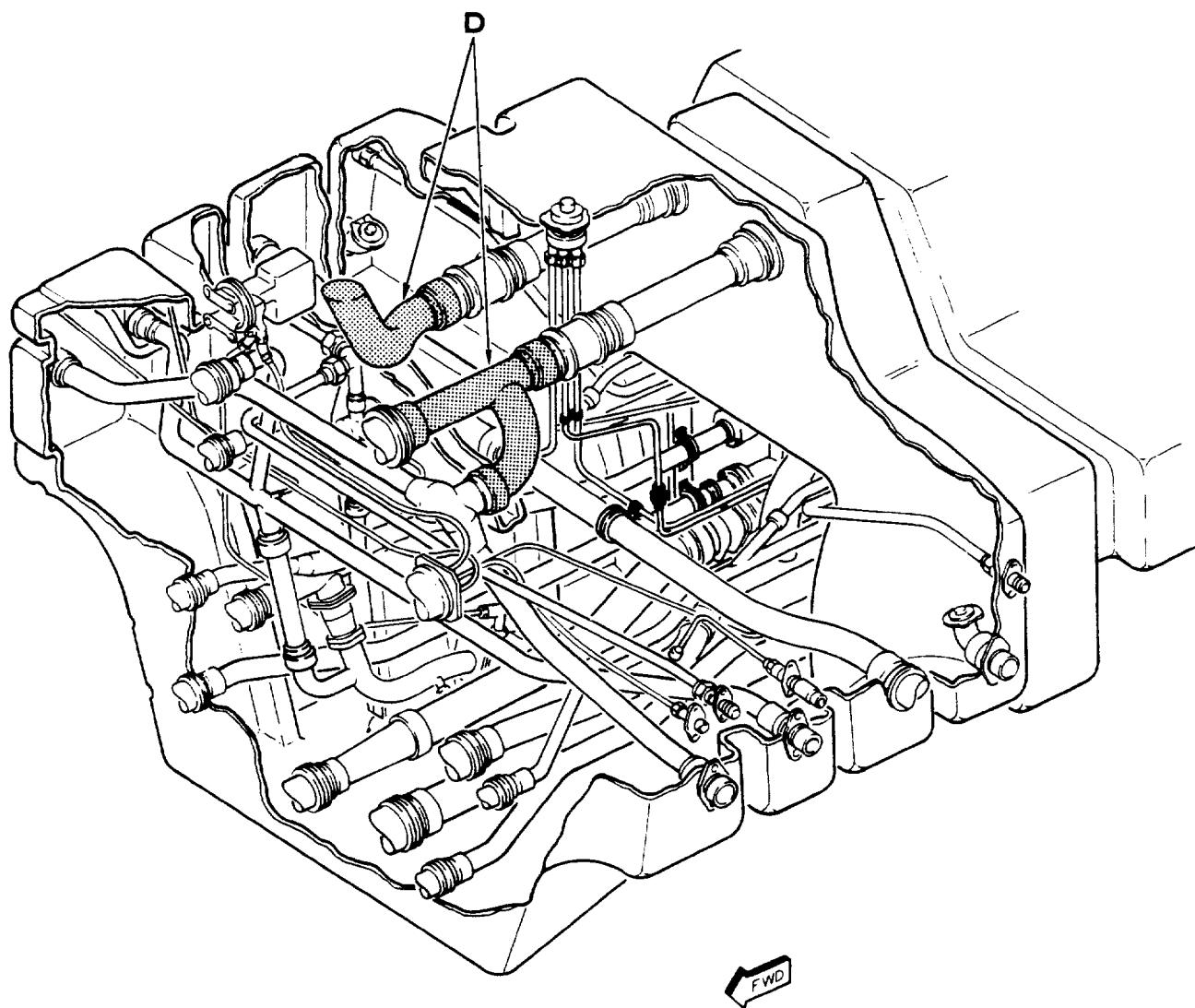


- a. Remove bracket (27) and attaching parts.

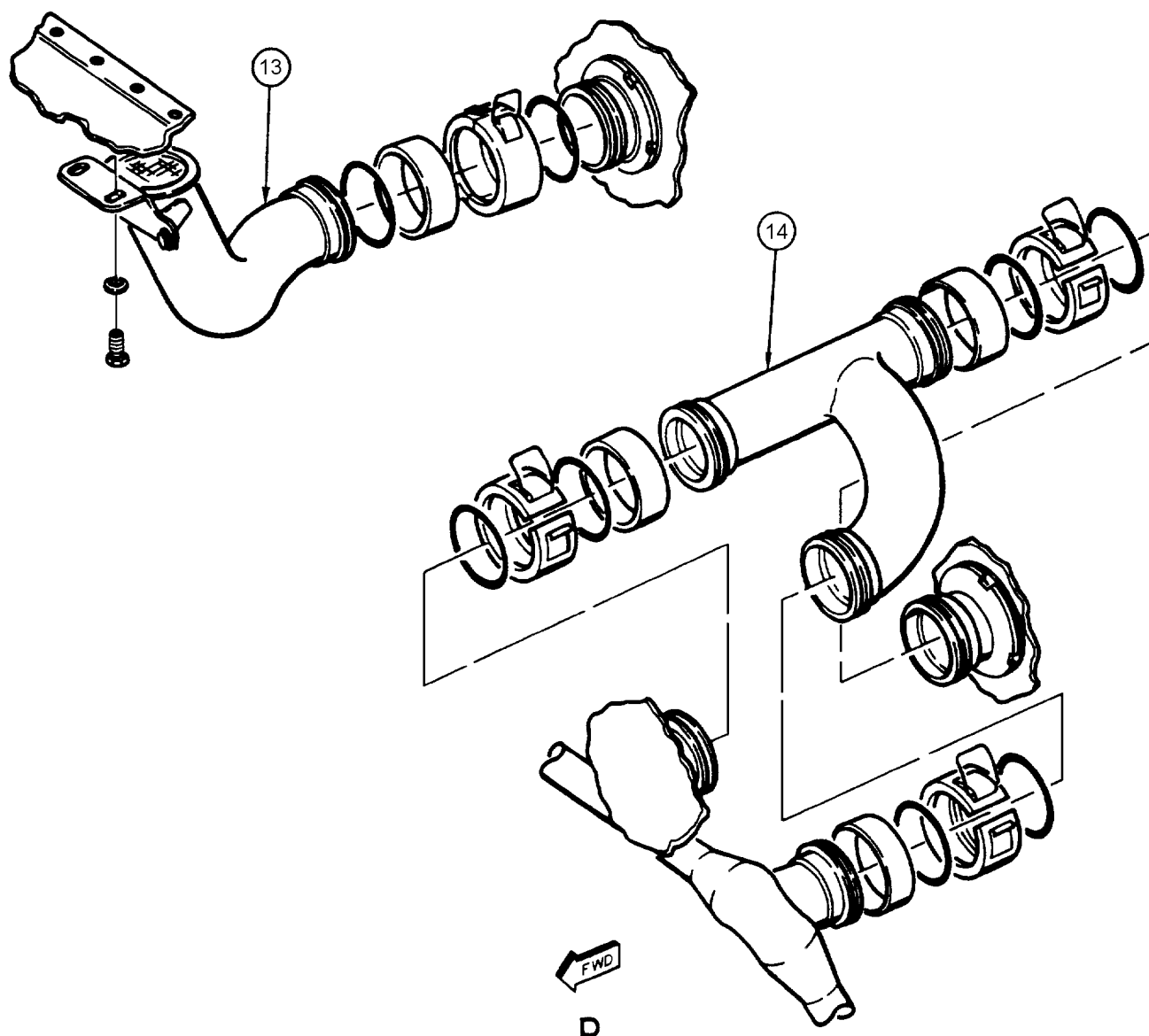


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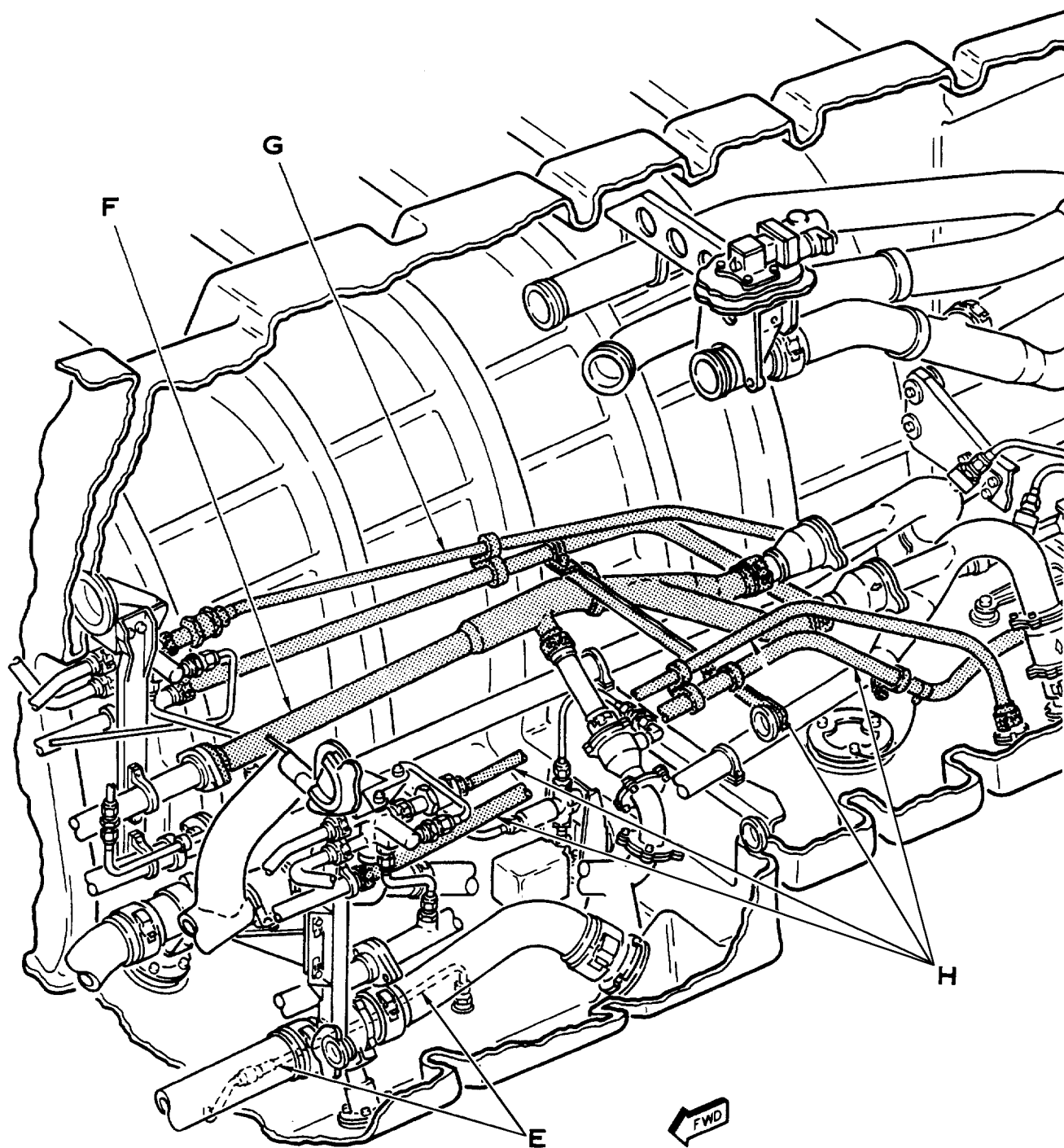
5. SEQUENCE 3.



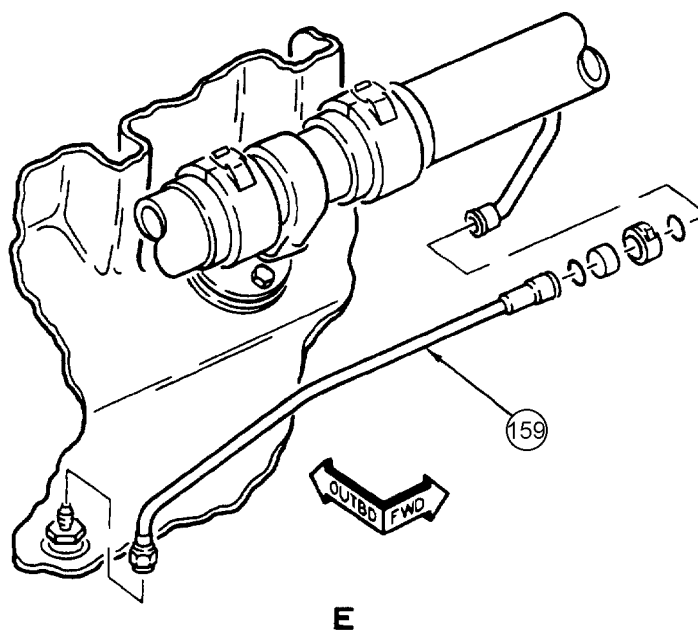
- a. Remove tube (13) and manifold (14) and related parts.



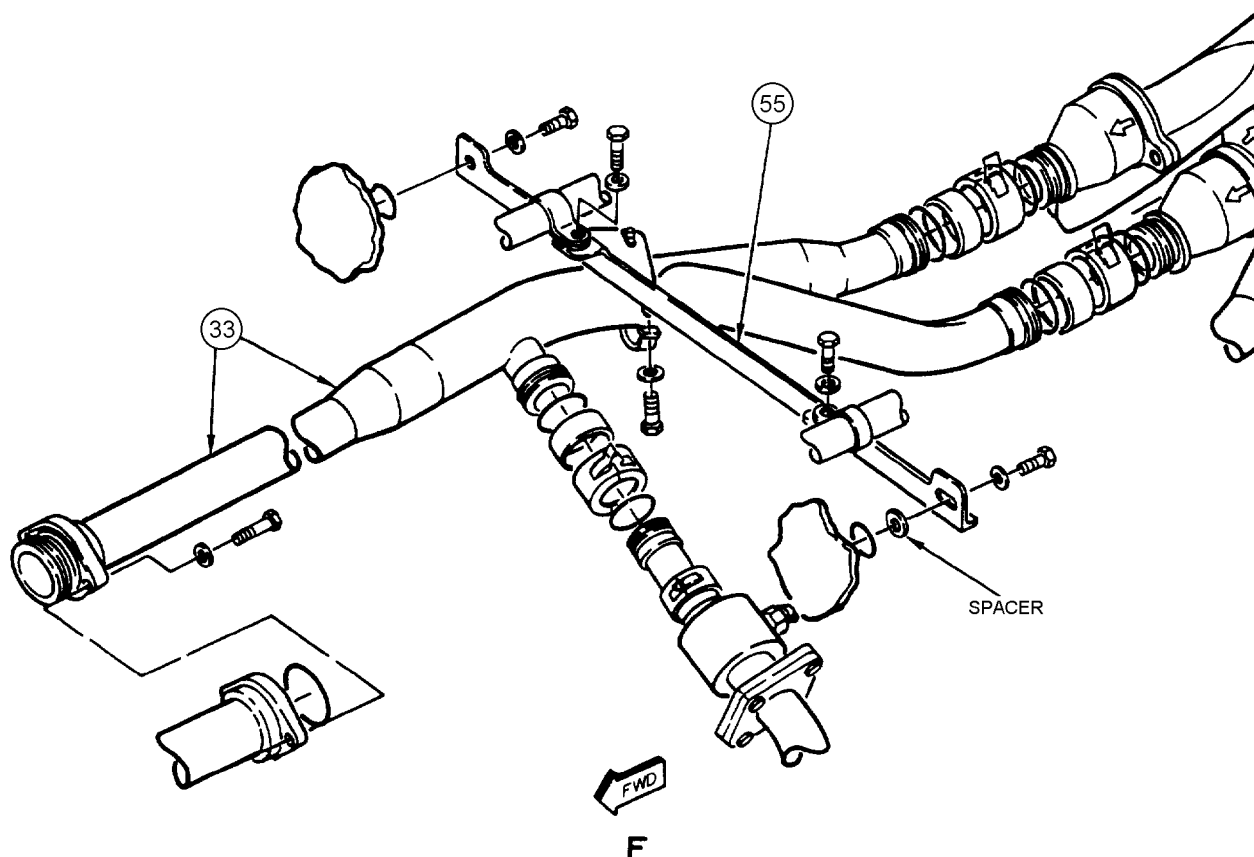
6. SEQUENCE 4.



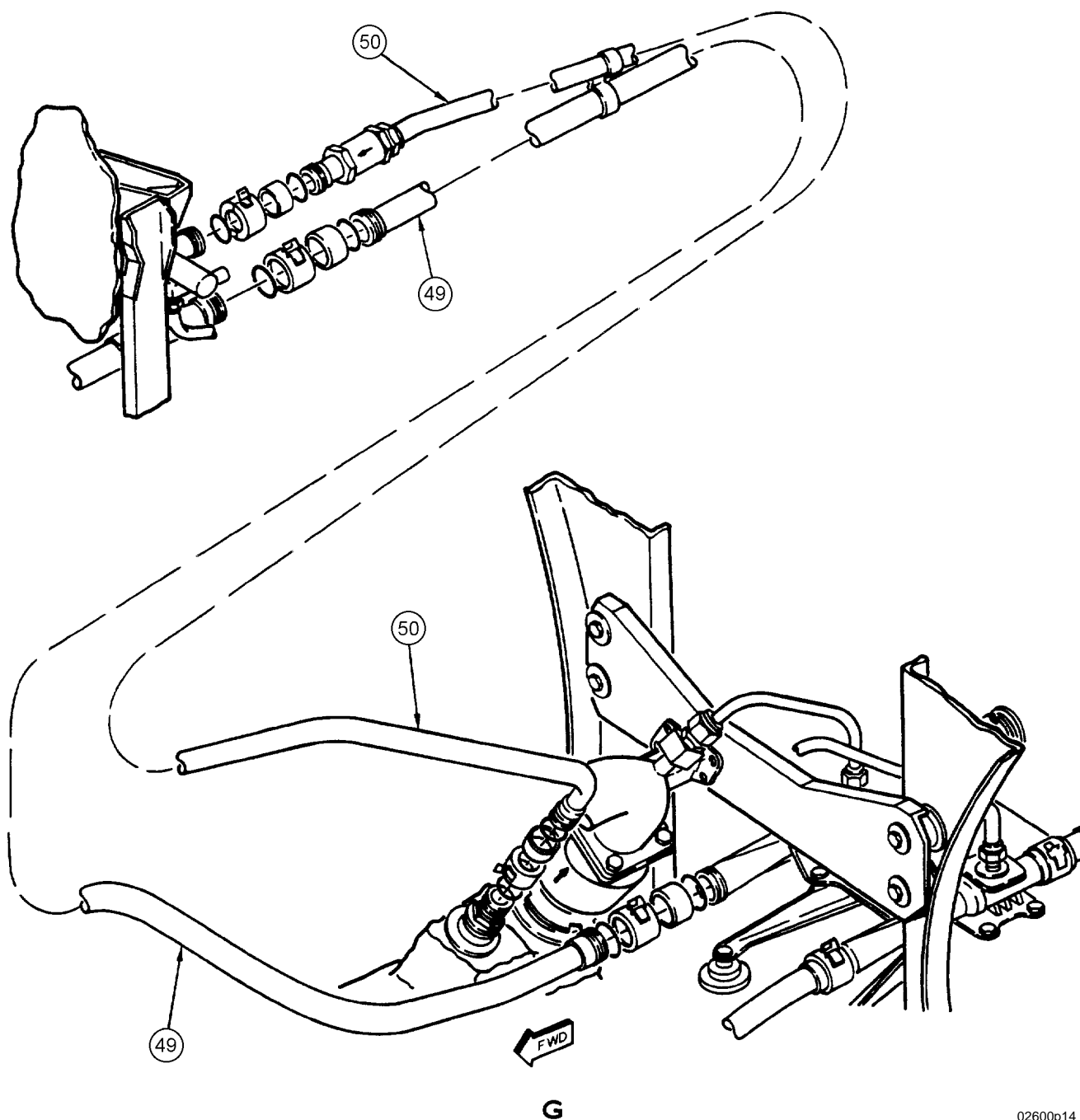
- a. Remove tube (159) and related parts.



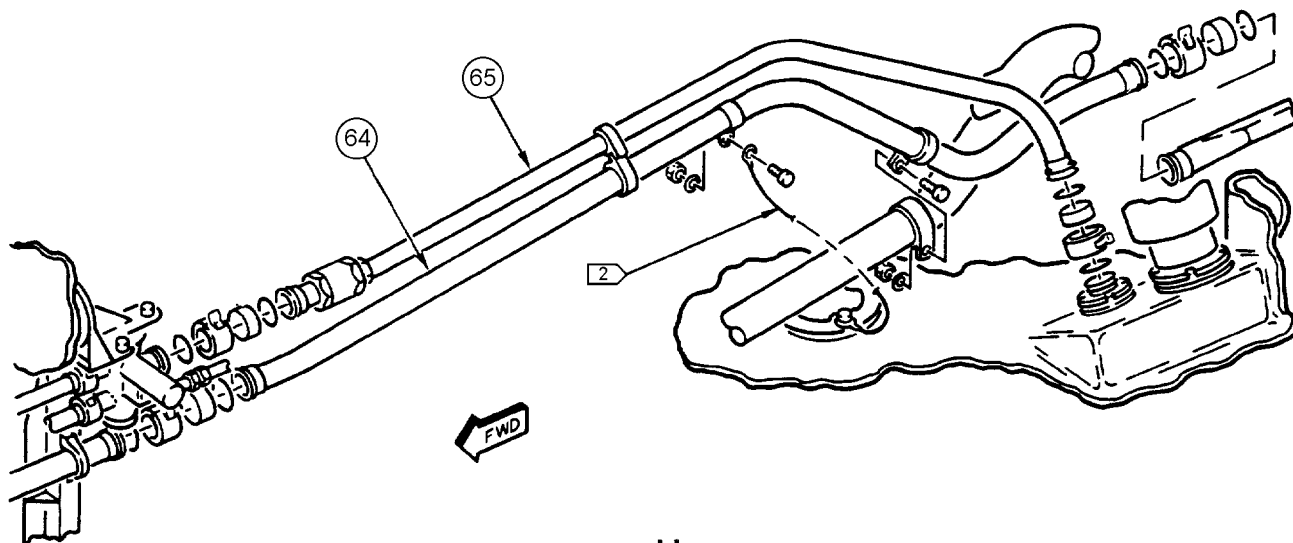
- b. Remove support (55) and related parts.
- c. Remove manifold (33) and related parts.



d. Remove tubes (49 and 50) together with related parts.

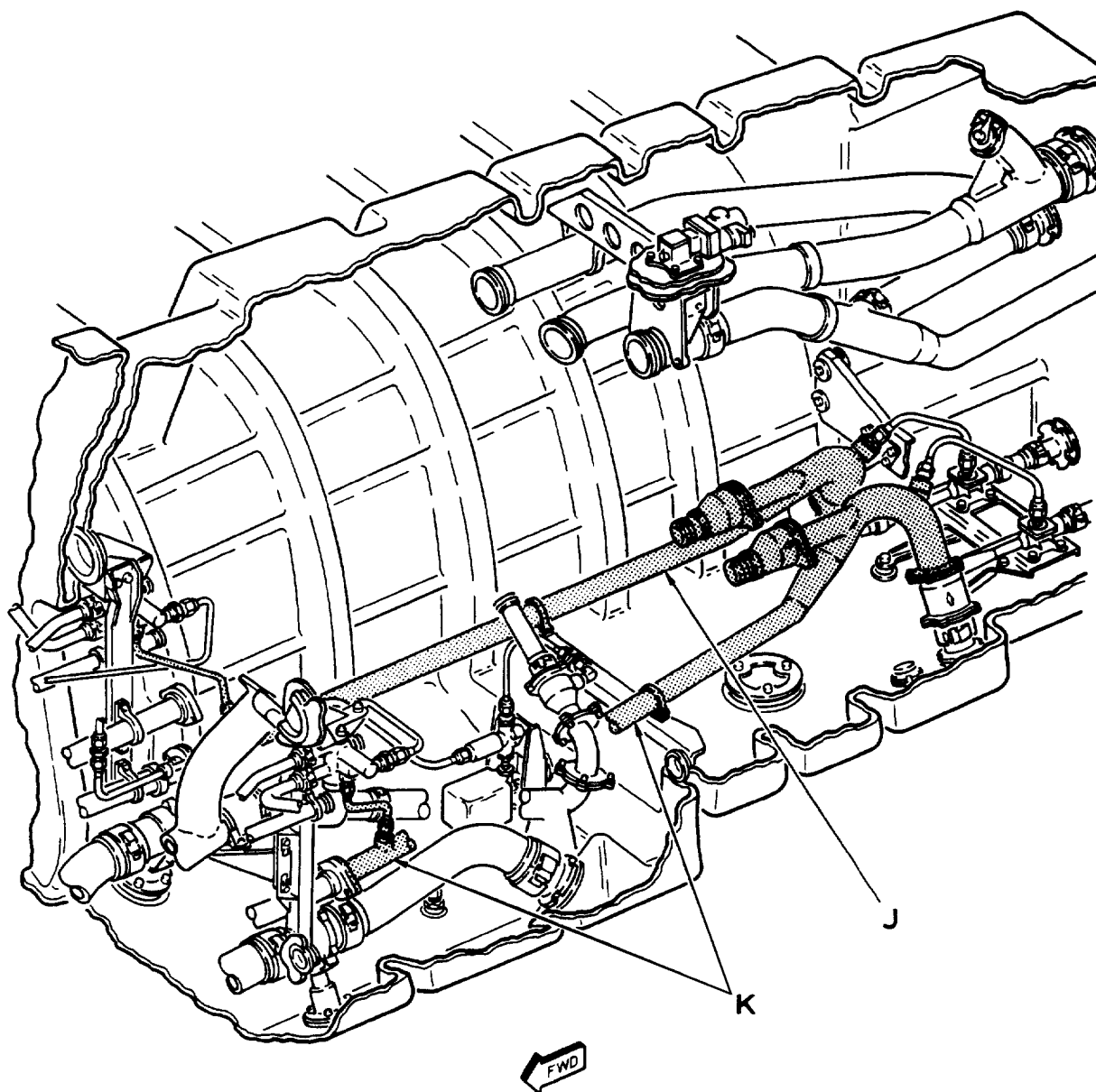


e. Remove tubes (64 and 65) together with related part.

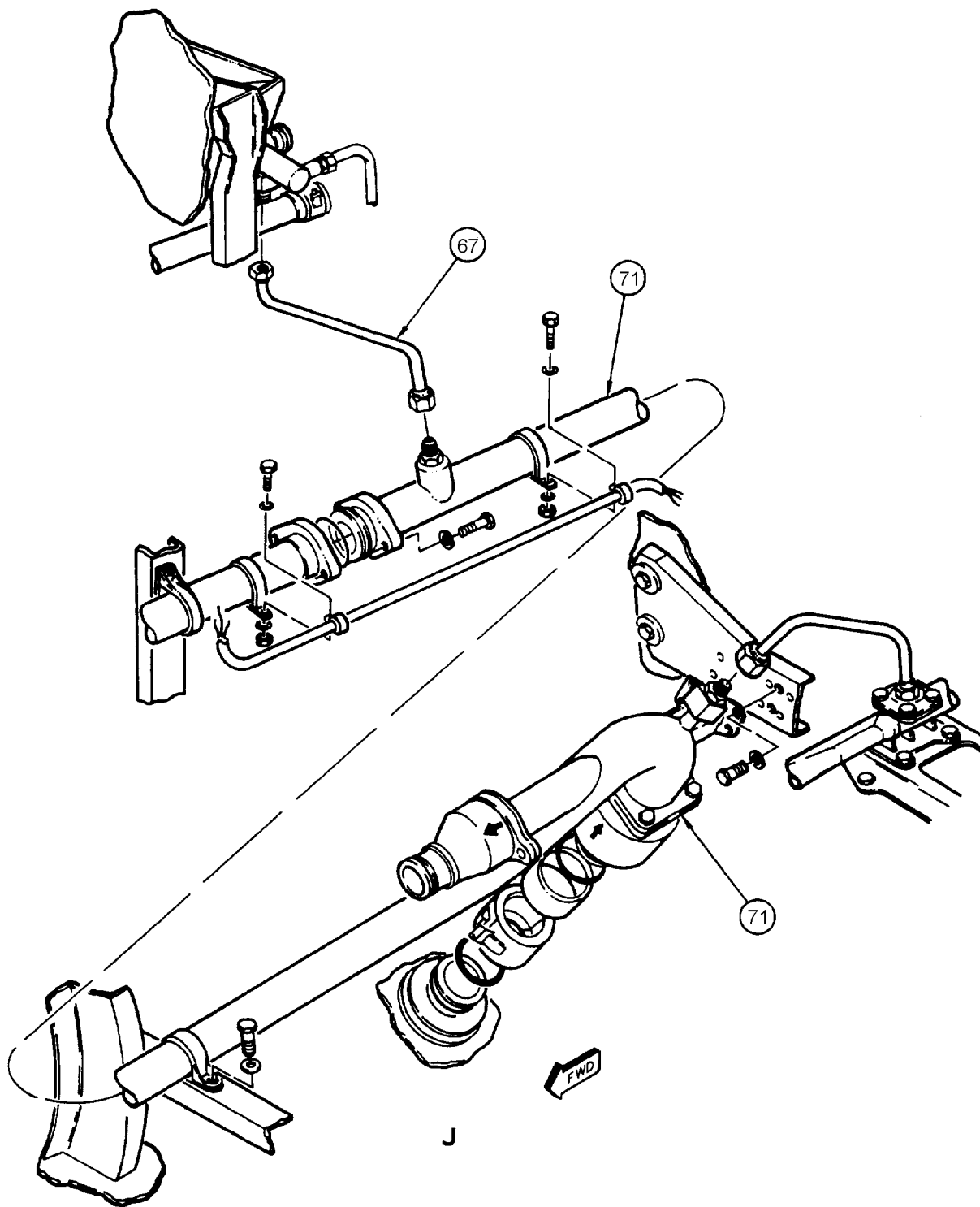


H

7. SEQUENCE 5.



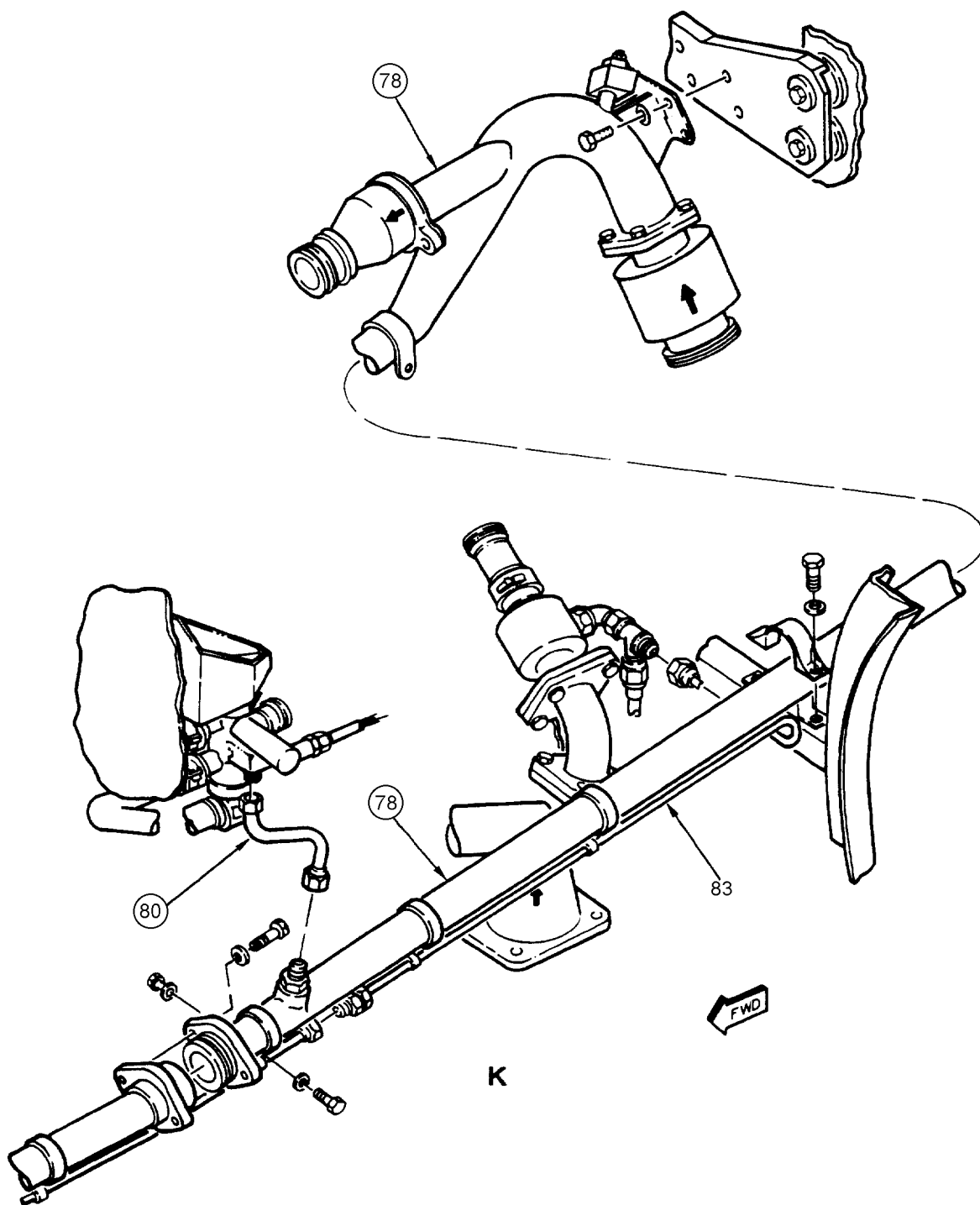
- a. Remove tube (67).
- b. Remove manifold (71) and related parts.



c. Remove tube (80).

e. Remove manifold (78) and related parts.

d. On 161353 THRU 161761 BEFORE F/A-18
AFC 53, disconnect tube (83).

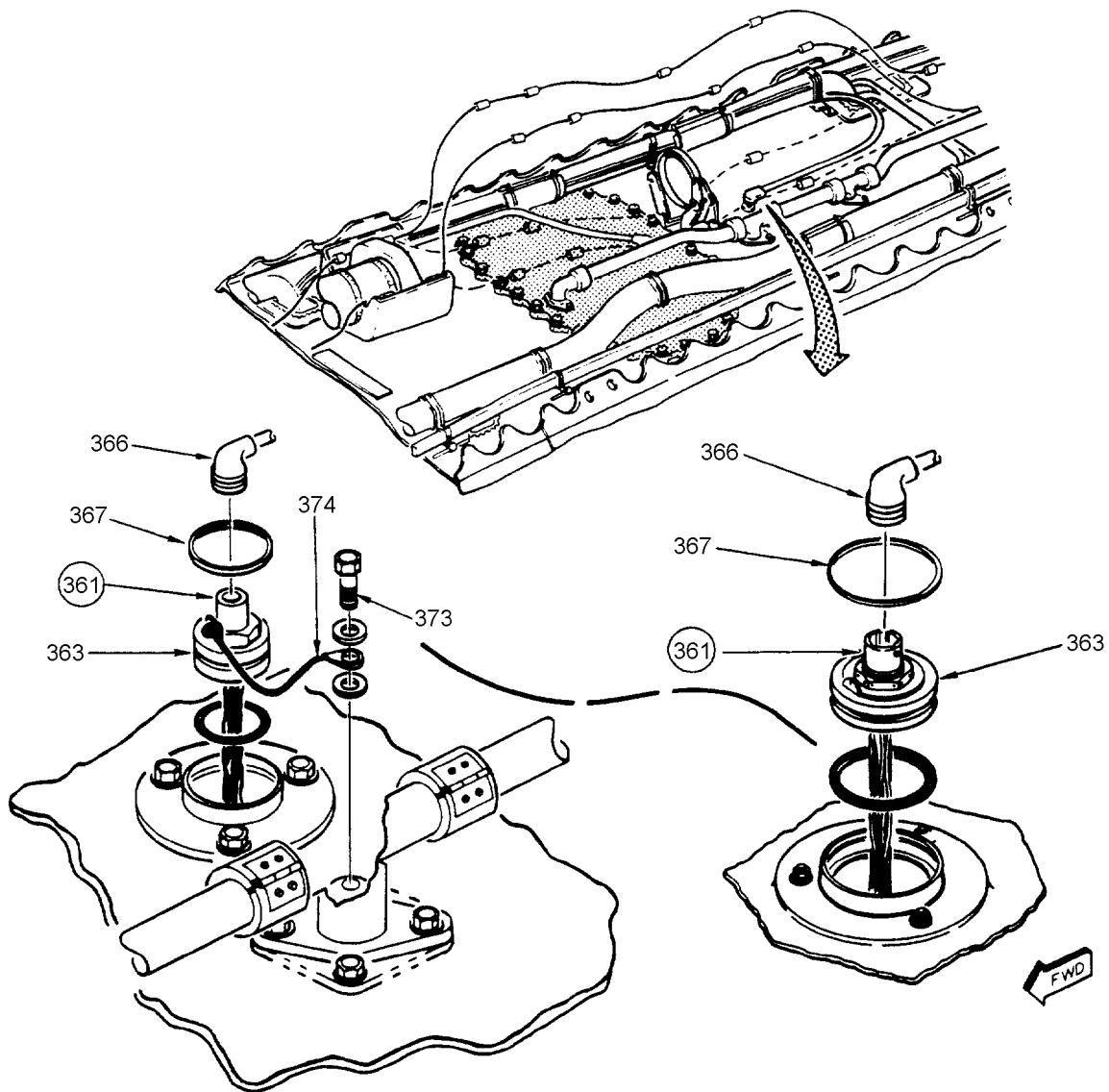


f. On 163146 AND UP, disconnect lead (374) by removing bolt (373) and attaching parts.

g. Disconnect connector (366) and remove retaining ring (382) with holder (363) and disconnect receptacle (361) assembly.

h. Disconnect wires from receptacle (361).

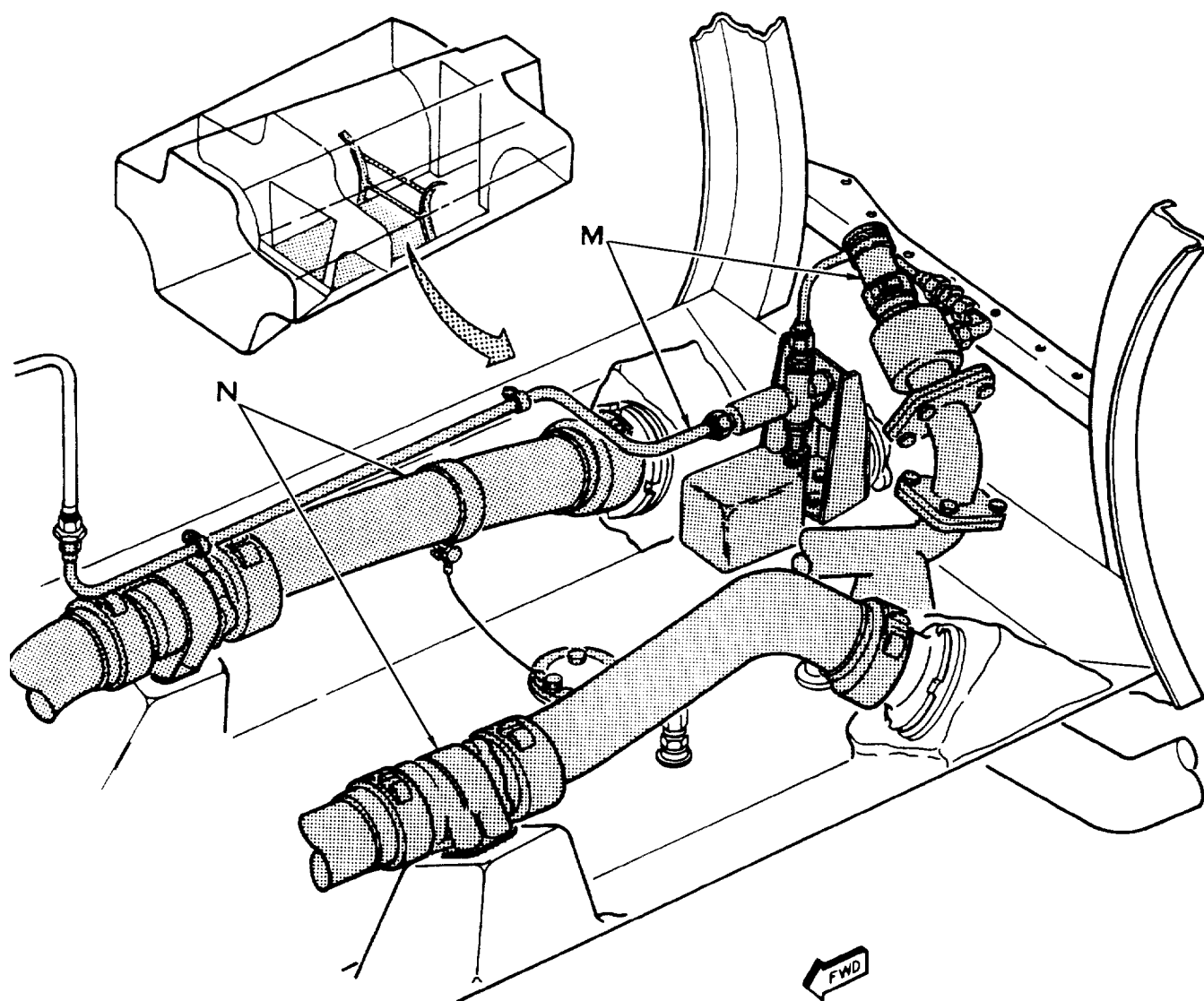
i. Secure 6 feet of lacing tape to each set of wires.



163146 AND UP

02600p19

8. SEQUENCE 6.



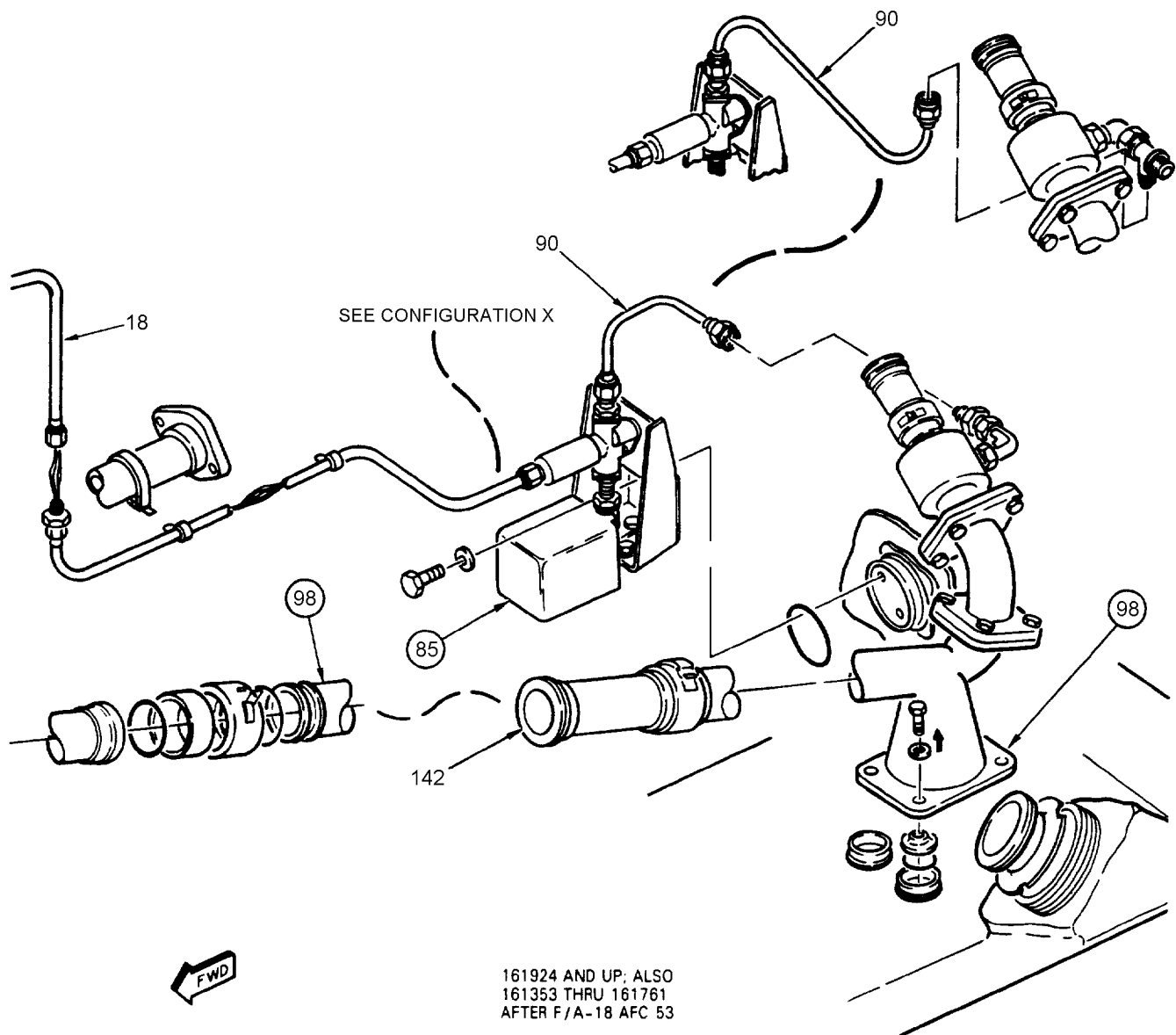
a. On 161924 AND UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 53, do substeps below:

(1) Disconnect tubes (18 and 90).

(2) Remove valve (85) and related parts. Carefully pull wires through tube (18) then untie string and secure to tube (18).

(3) On 162394 AND UP, ALSO 161924 THRU 161987 AFTER F/A-18 IAFC 017 Part 1, remove ejector (98) and related parts with tube (142).

(4) On 161924 THRU 161987 BEFORE F/A-18 IAFC 017 Part 1, remove ejector (98) and related parts.



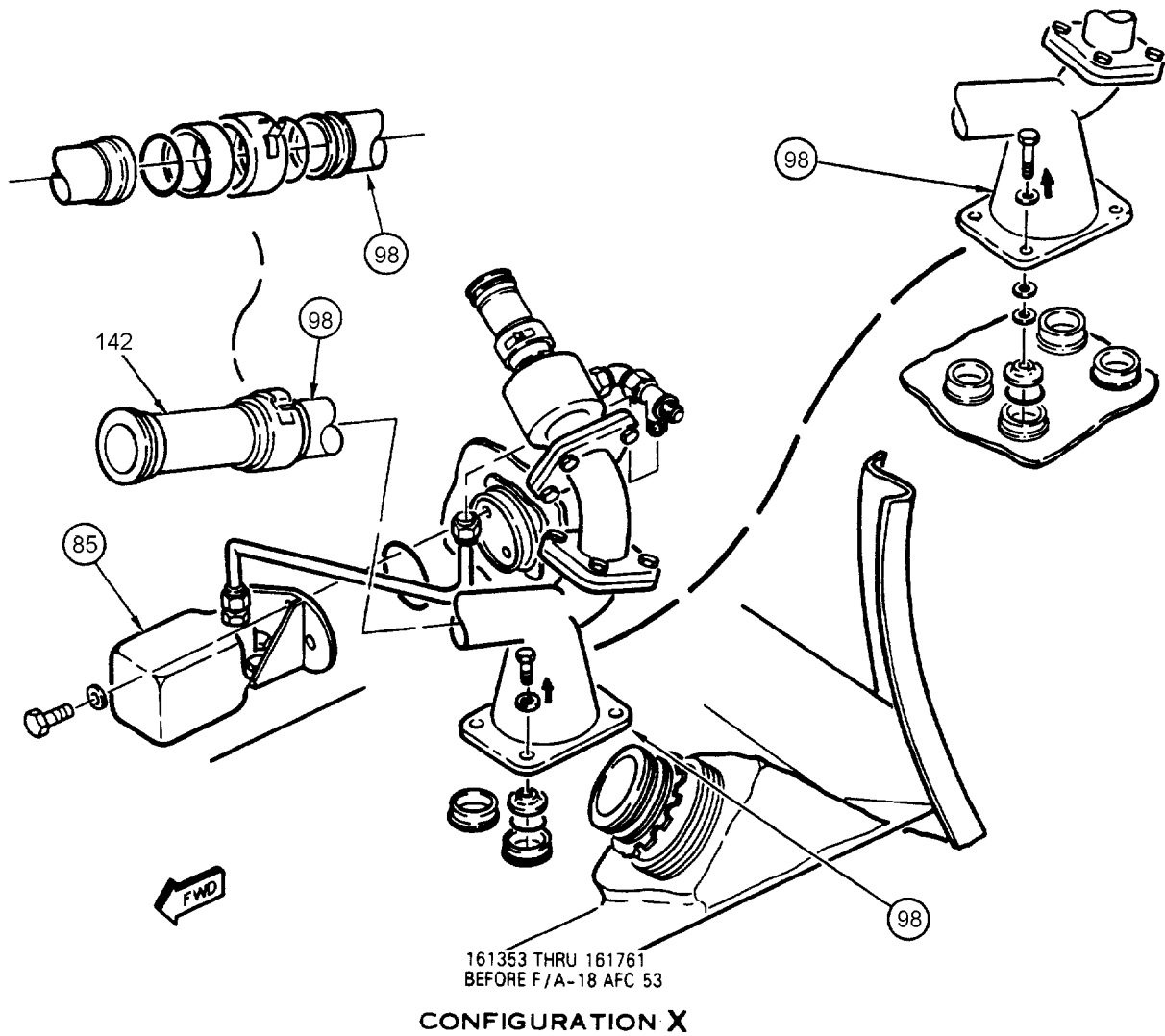
M

b. On 161353 THRU 161761 BEFORE F/A-18 AFC 53, do substeps below:

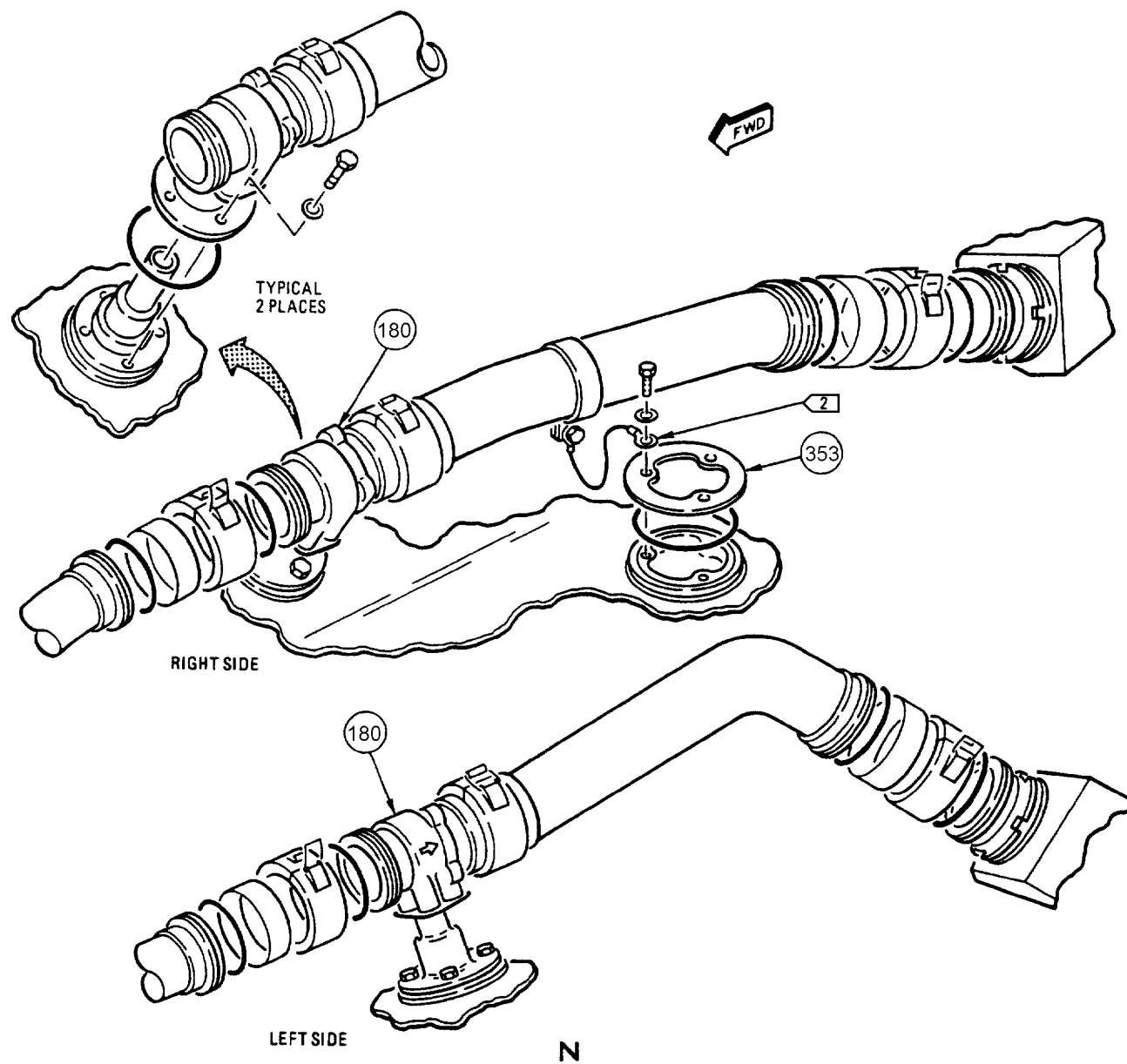
(1) Remove valve (85) and related parts.

(2) AFTER F/A-18 IAFC 017 Part 1 and Part 2, remove ejector (98) and related parts with tube (142).

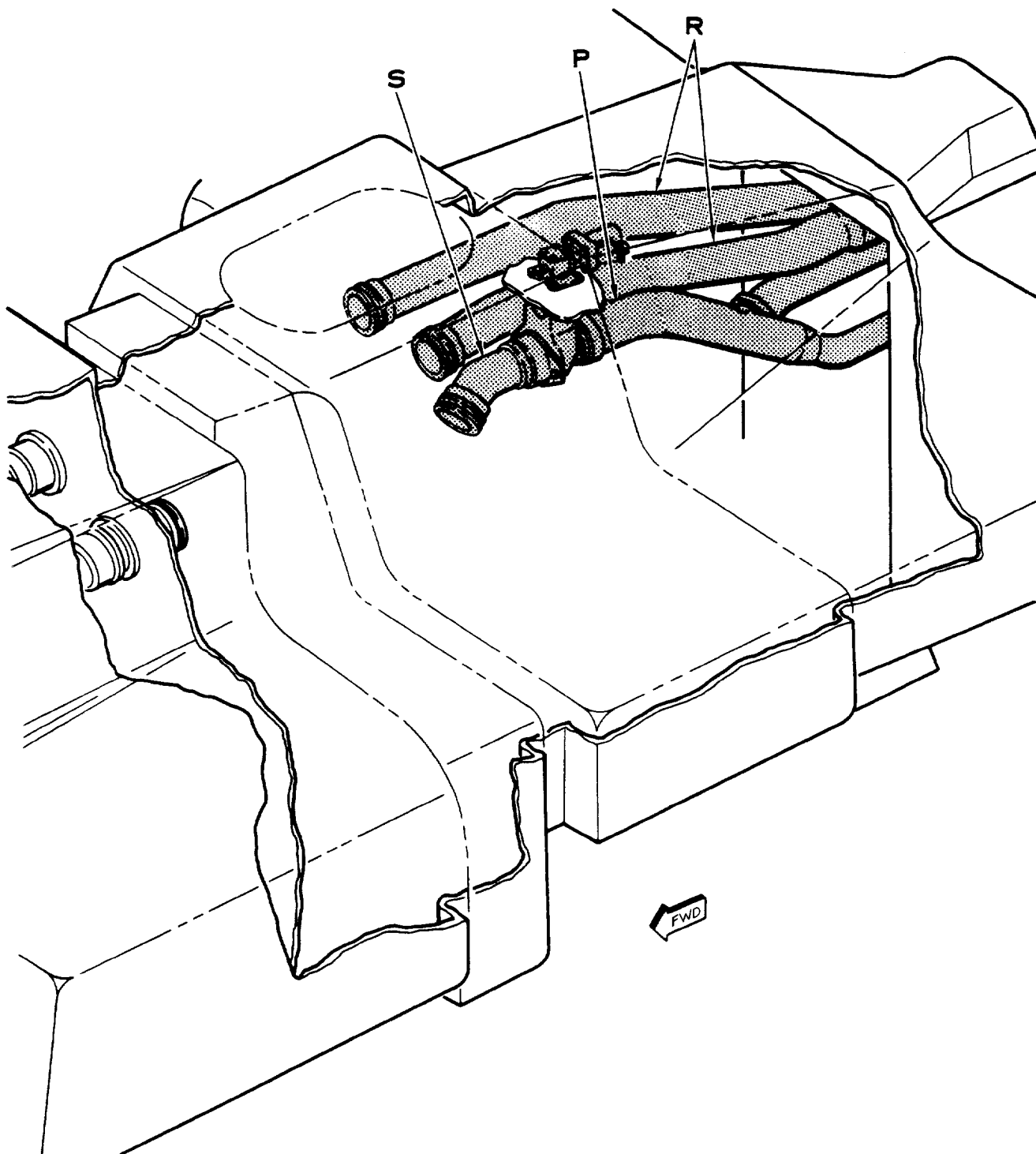
(3) BEFORE F/A-18 IAFC 017 Part 1 and Part 2, remove ejector (98) and related parts.



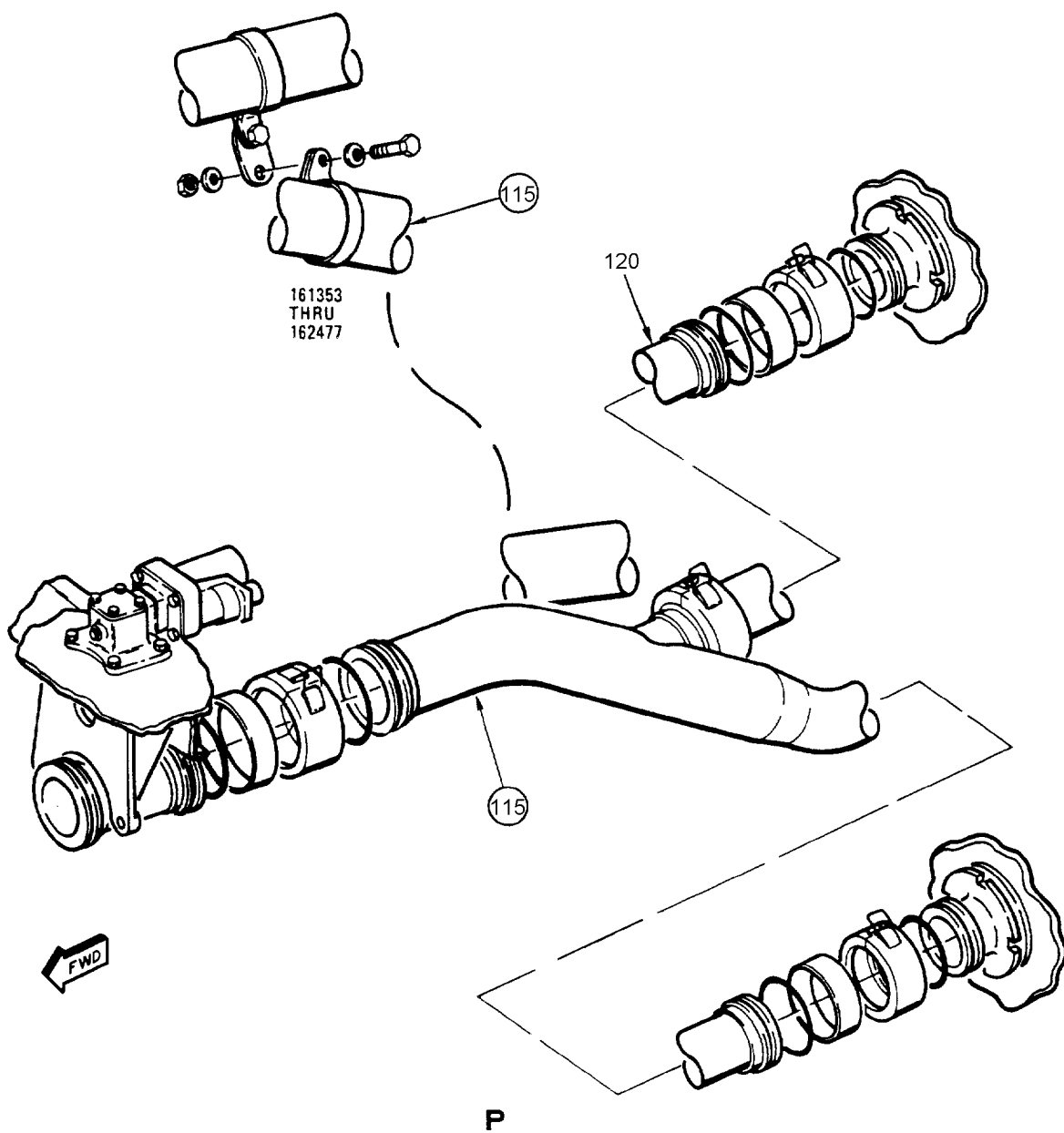
- c. Remove valves (180) and related parts.
- d. Remove retainer (353) and related parts.



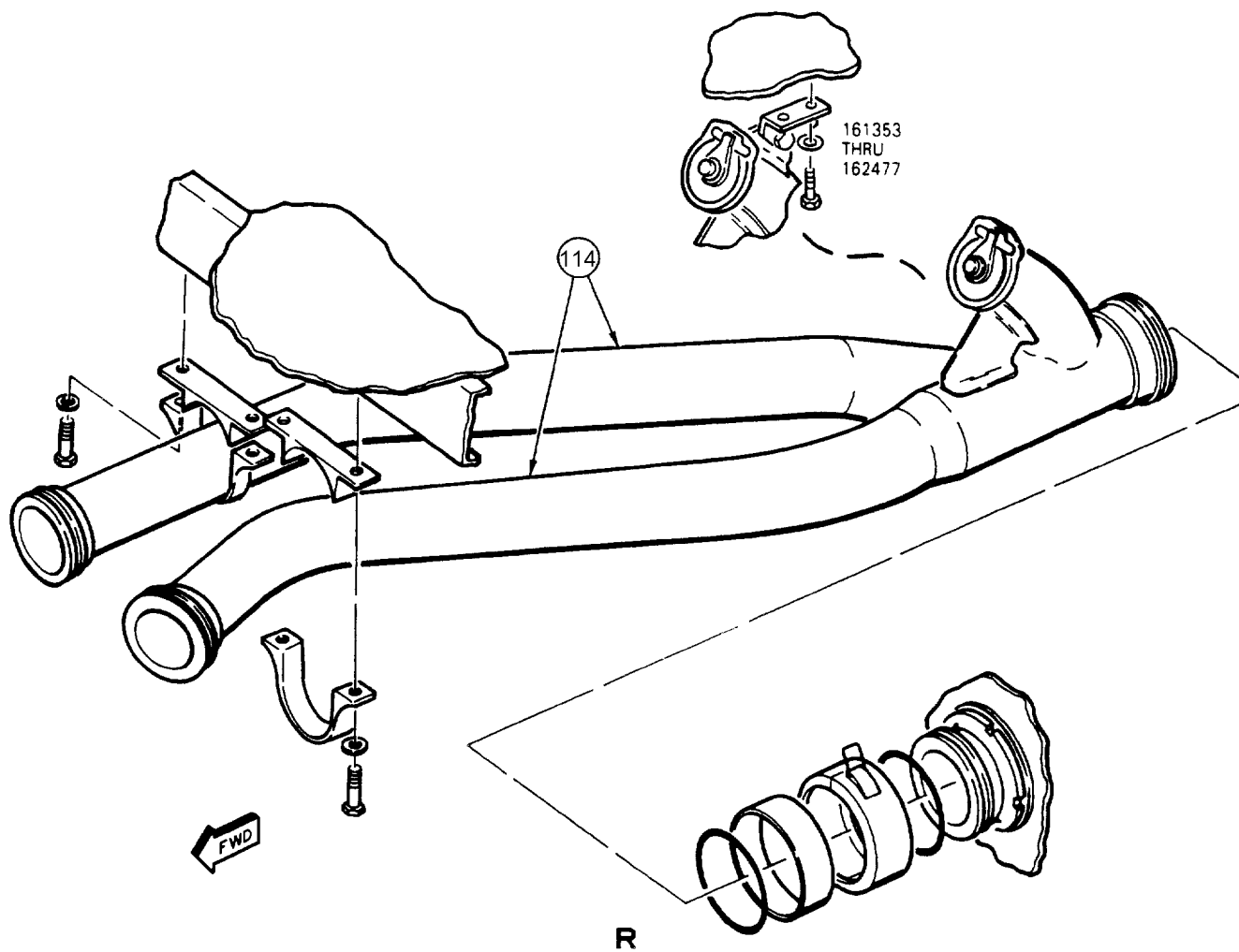
9. SEQUENCE 7.



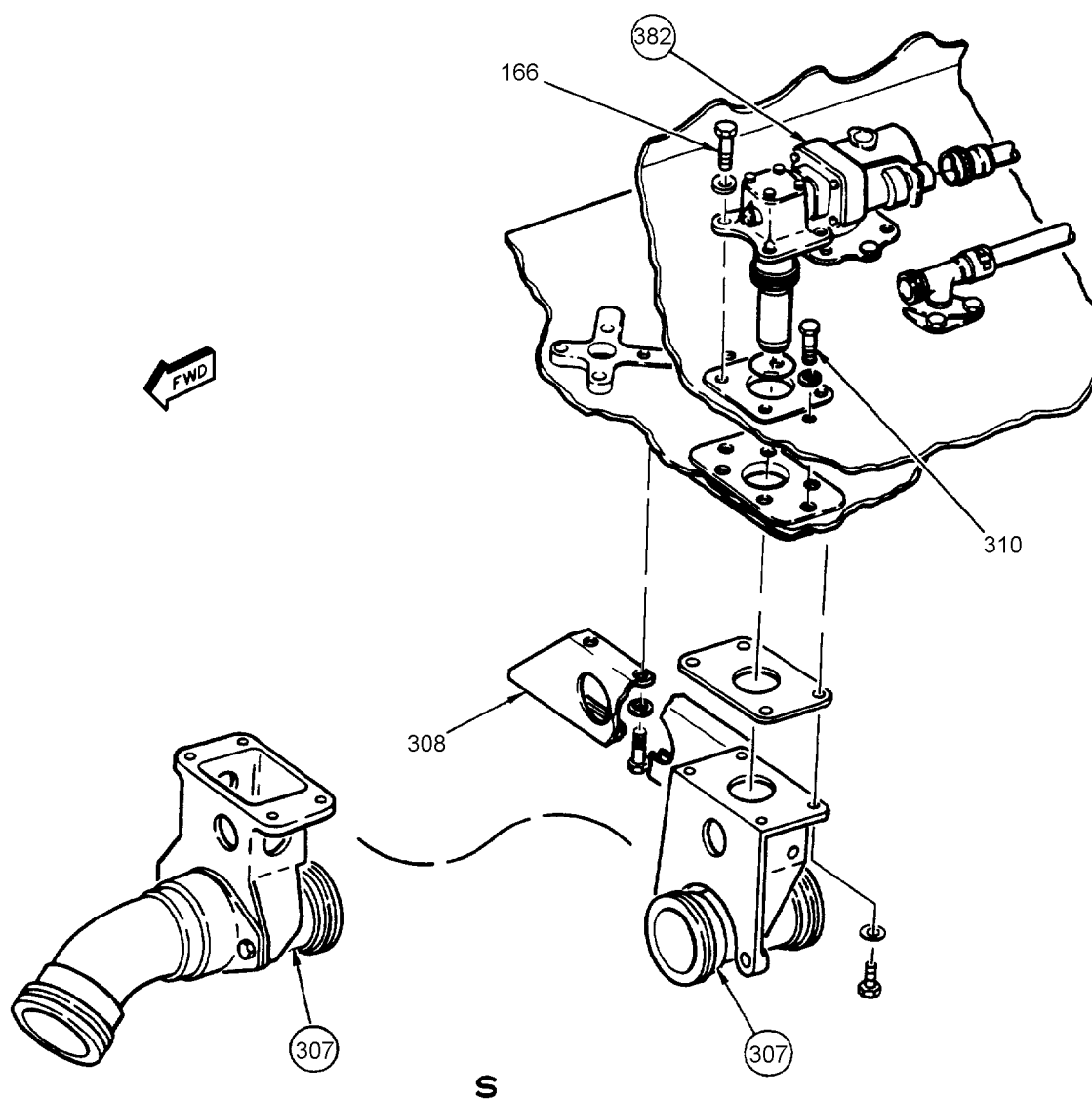
- a. Remove manifold (115) and tube (120) assembly.



b. Remove manifold (114) and related parts.



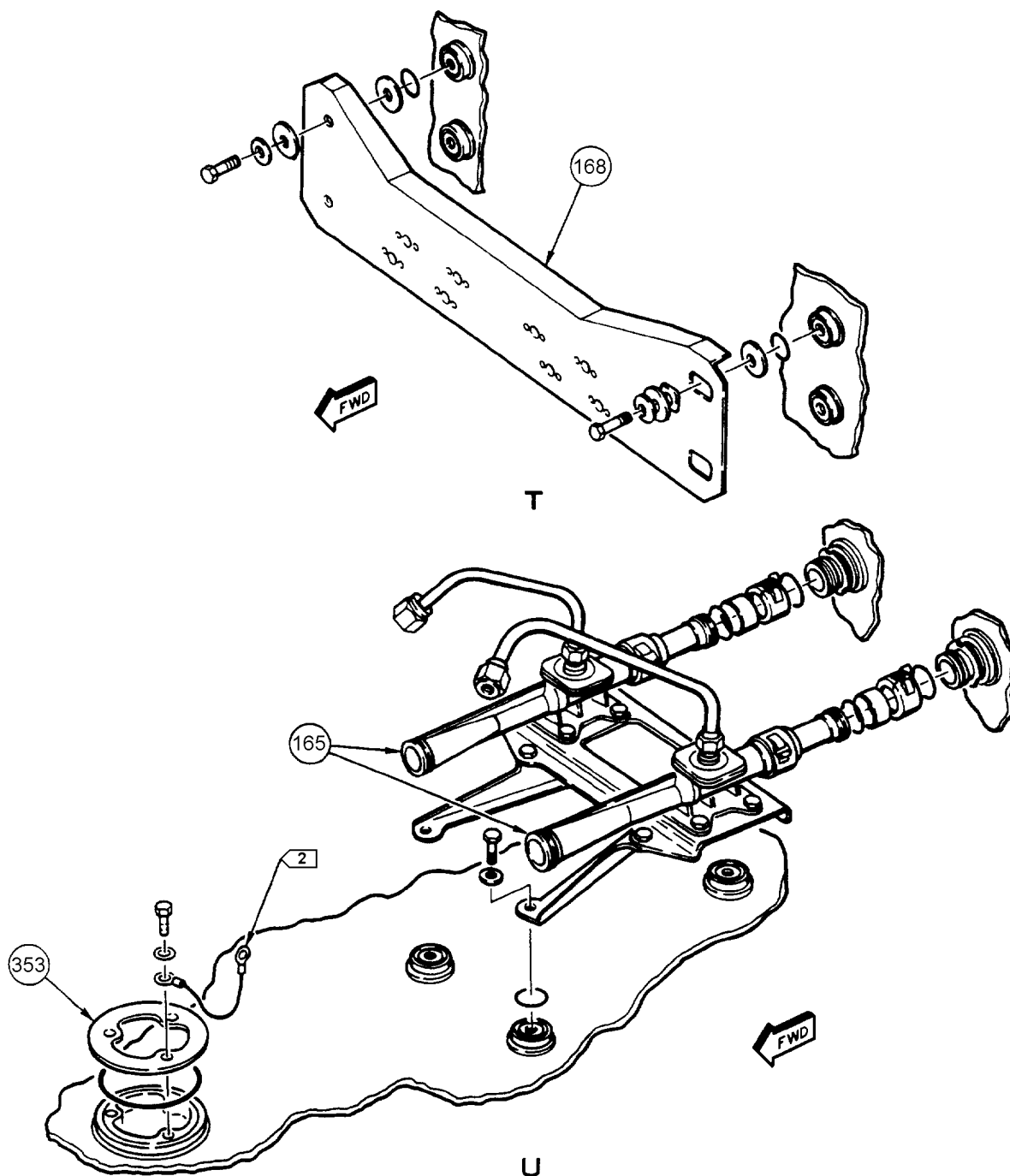
c. Remove motor (382), bracket (308), valve (307), bolts (166 and 310), and attaching parts.



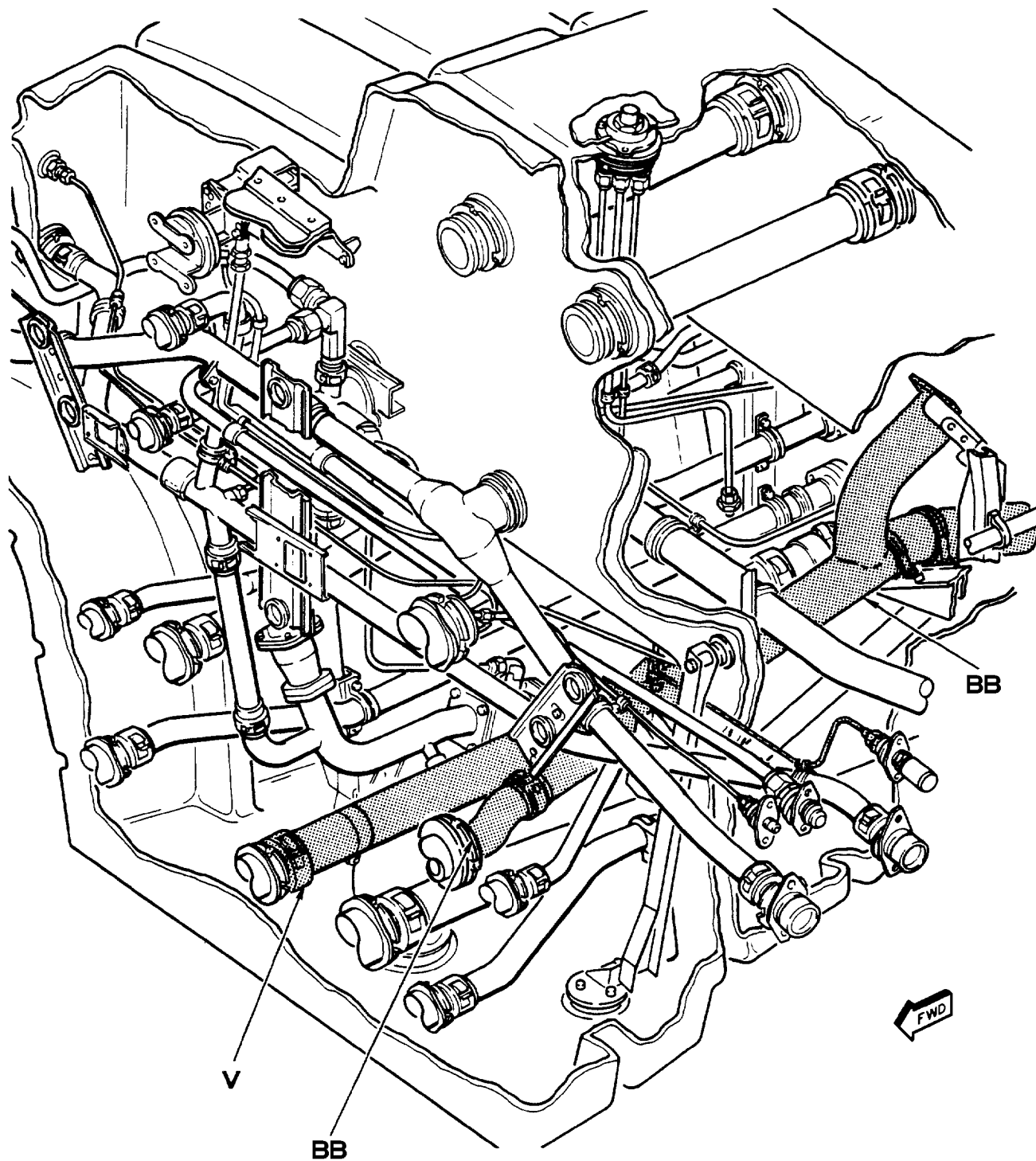
a. Remove bracket (168) and attaching parts.

c. Remove retainer plate (353) and attaching parts.

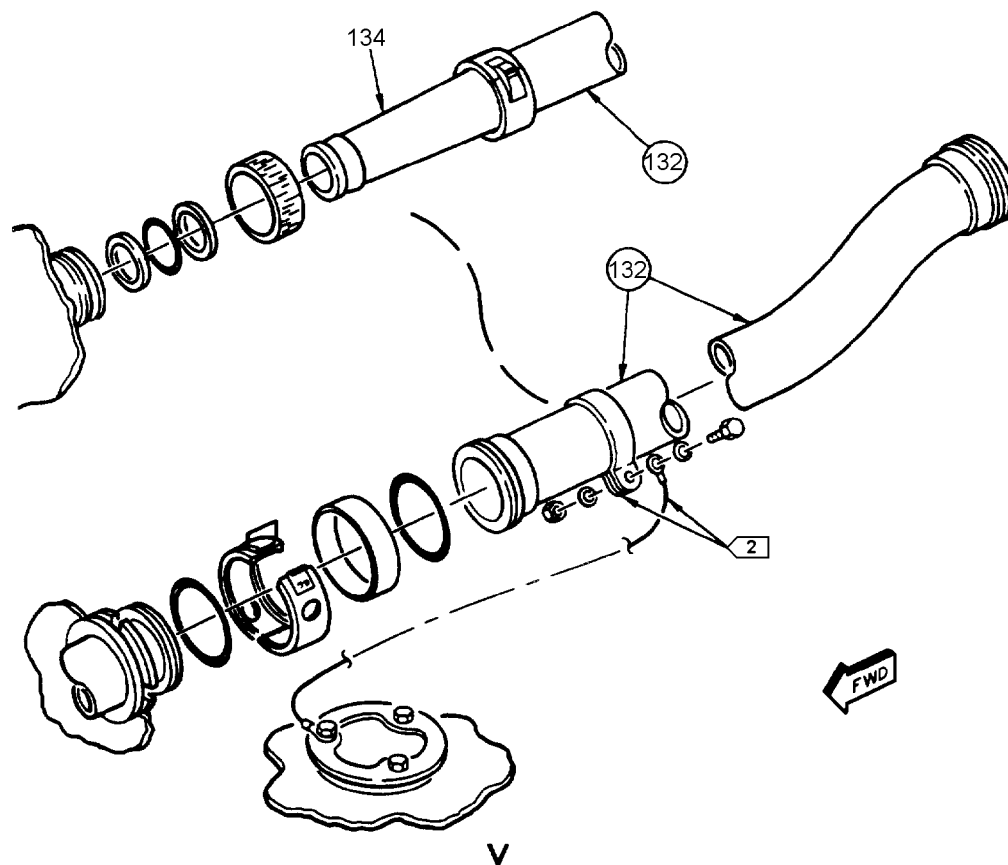
b. Remove ejectors (165) and related parts.



11. SEQUENCE 9.

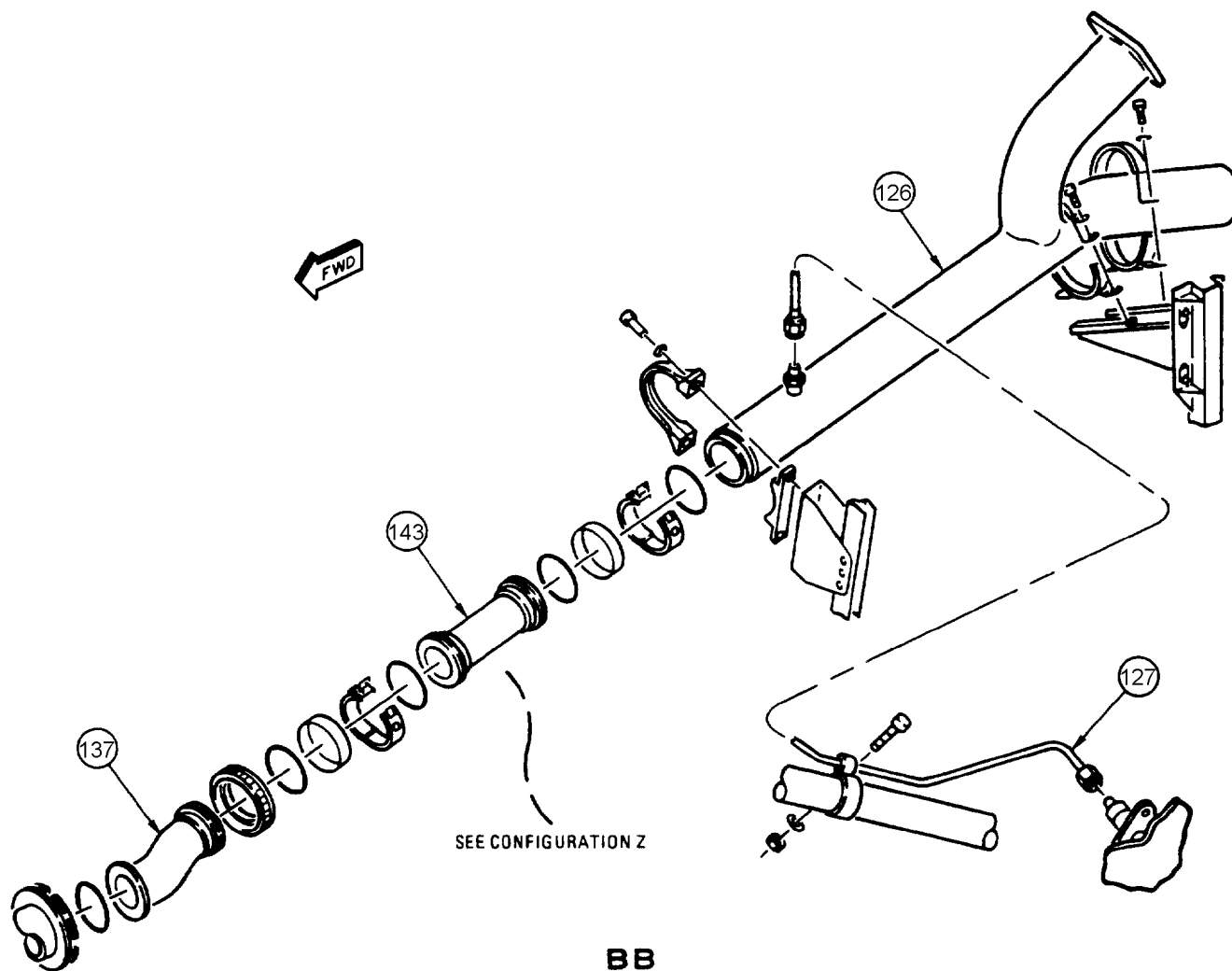


- a. Remove tube (132) and, if applicable, tube (134).

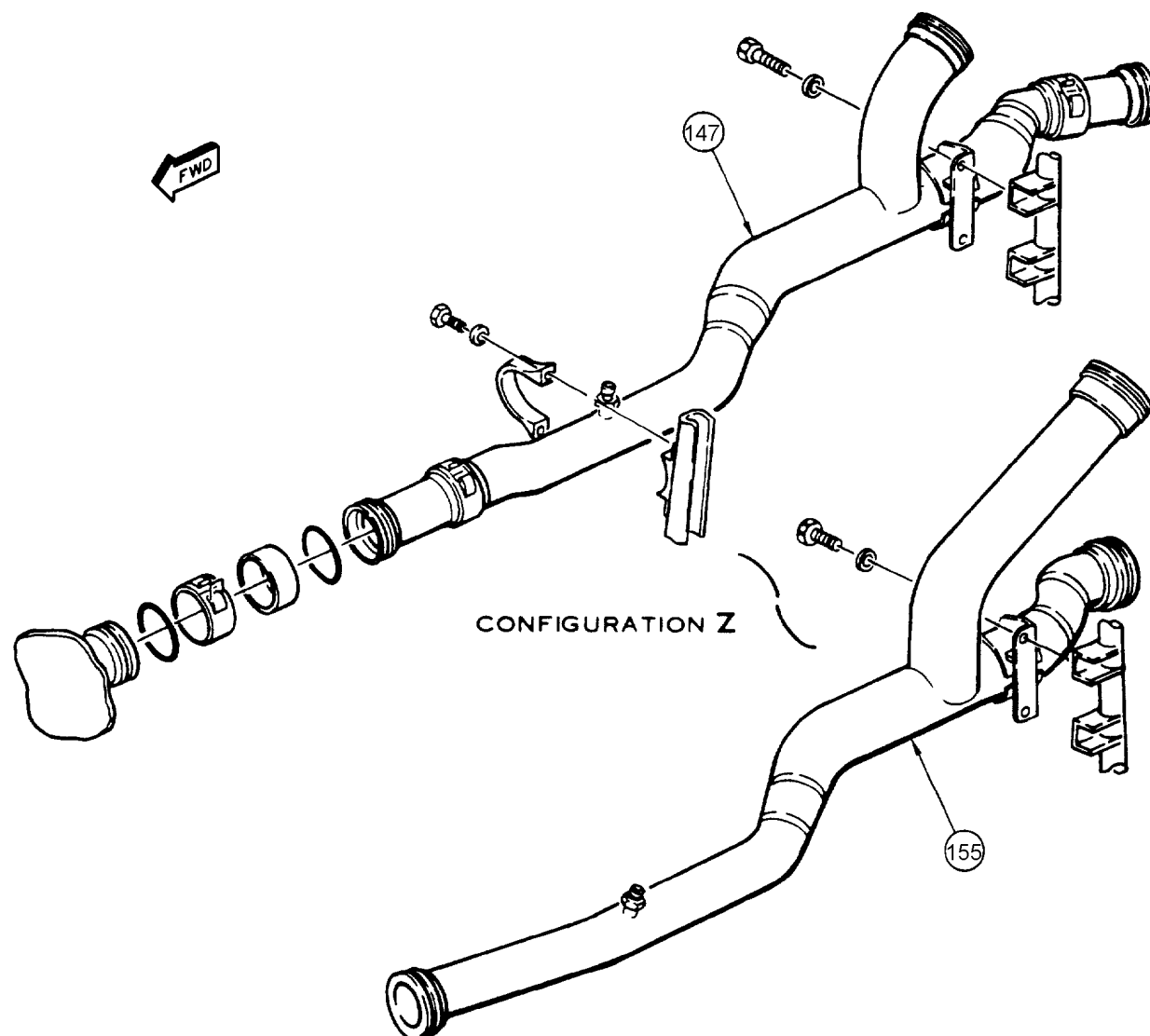


b. Remove tube (127) and attaching parts.

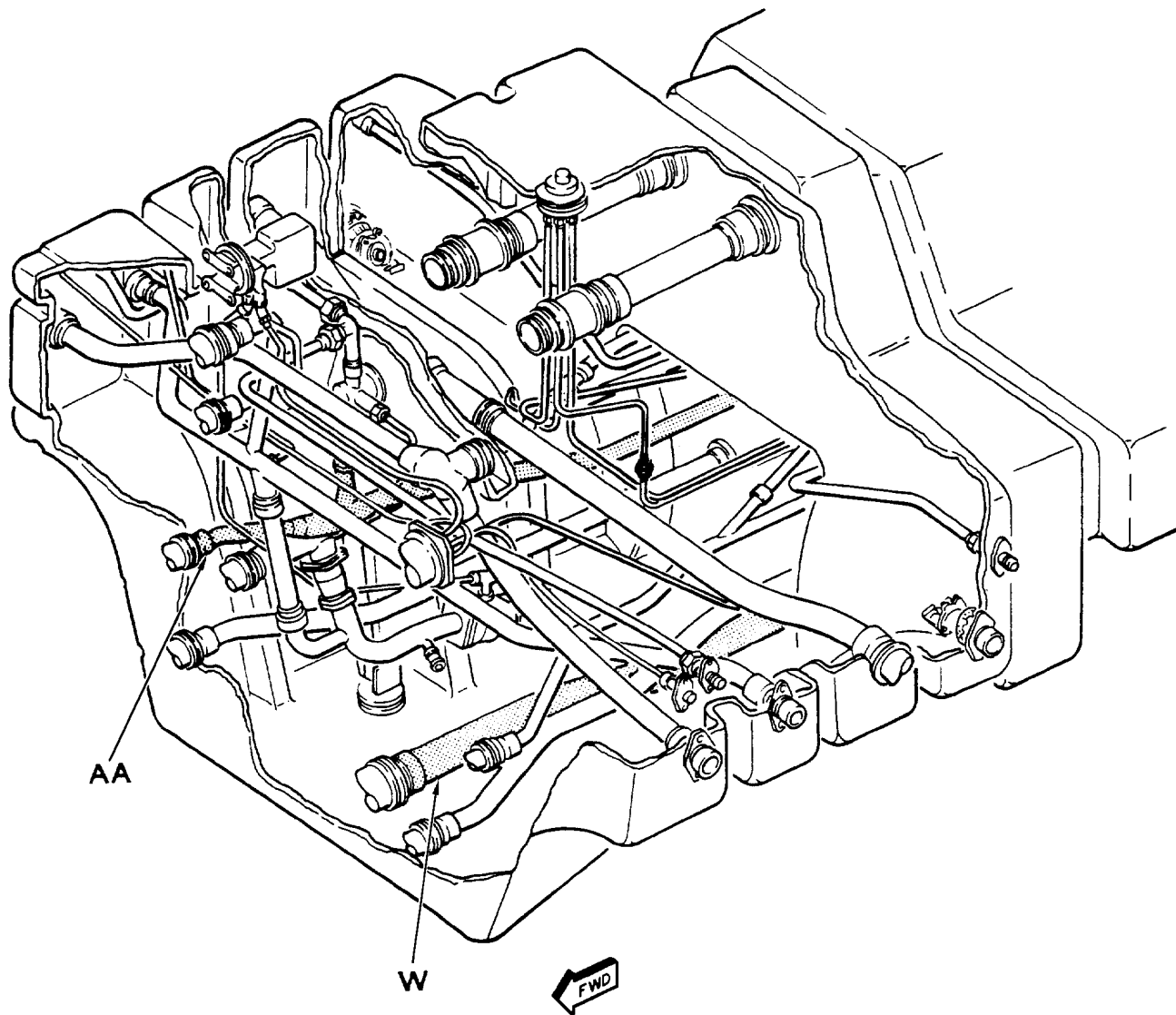
c. On 162394 AND UP; ALSO 161353 THRU 161987 AFTER F/A-18 IAFC 017 Part 1 and Part 2, remove manifold (126), tubes (137 and 143) and related parts.



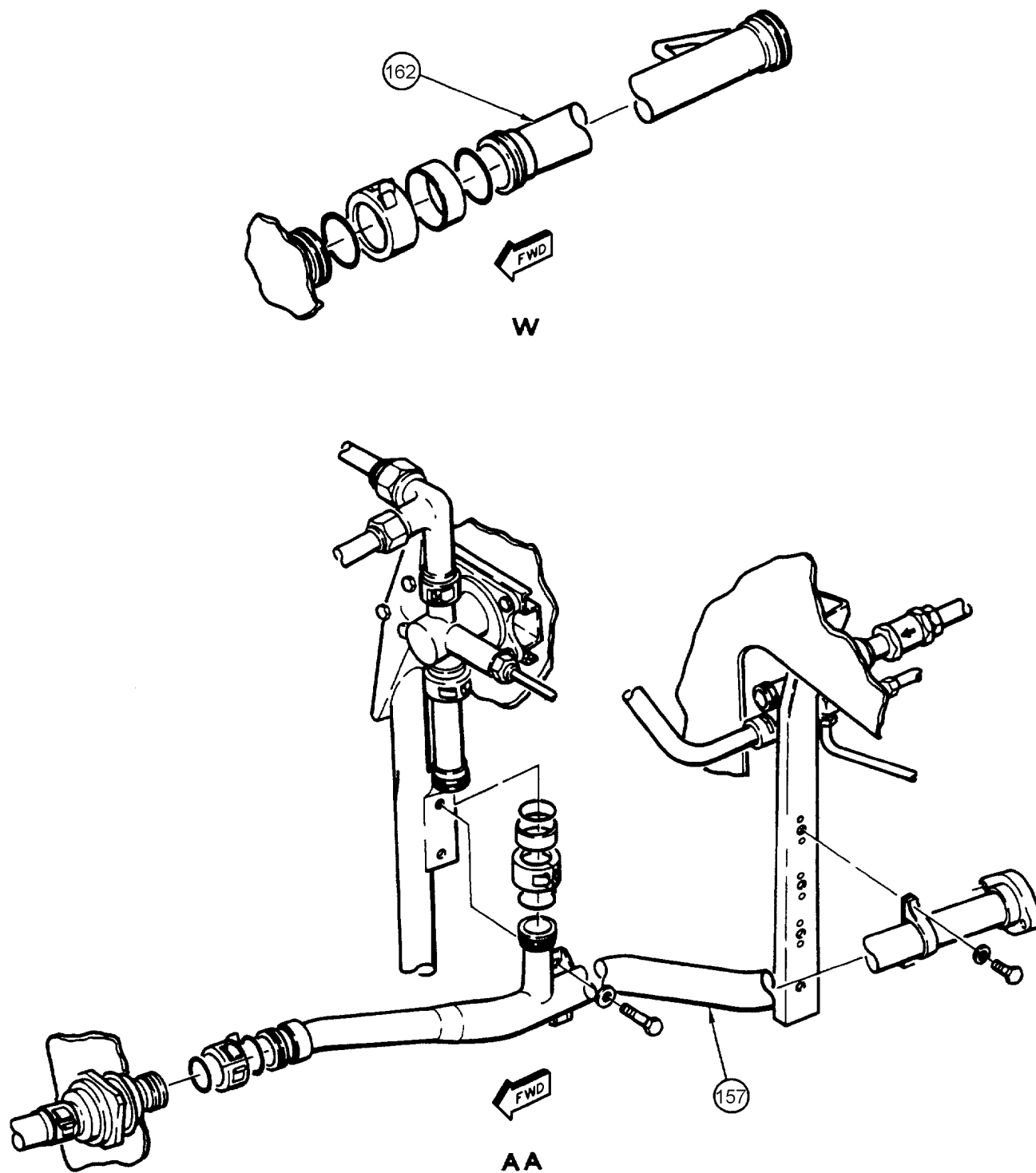
d. On 161353 THRU 161987 BEFORE F/A-18
IAFC 017 Part 1 and Part 2, remove manifold (147 or
155) and related parts.



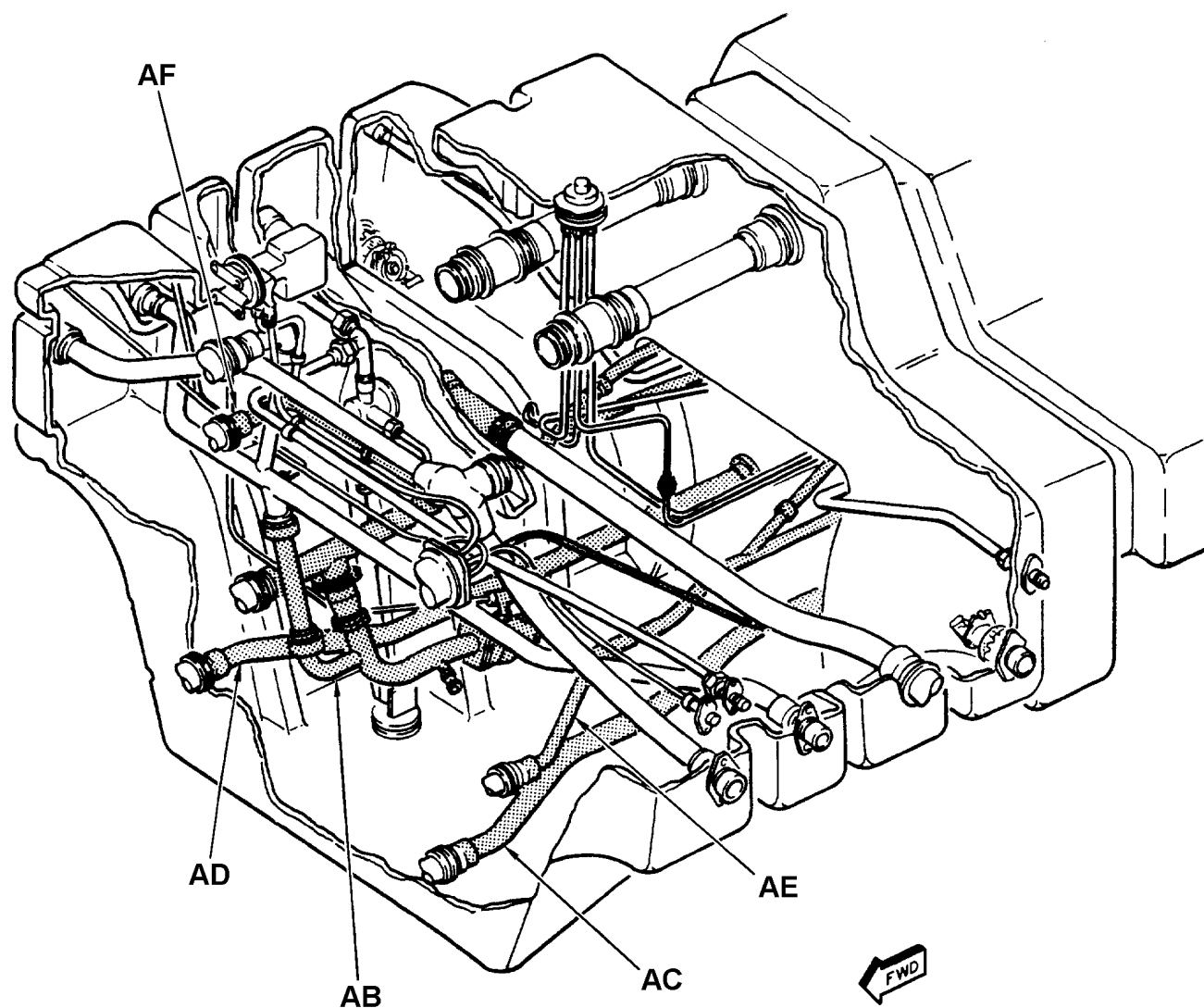
12. SEQUENCE 10.



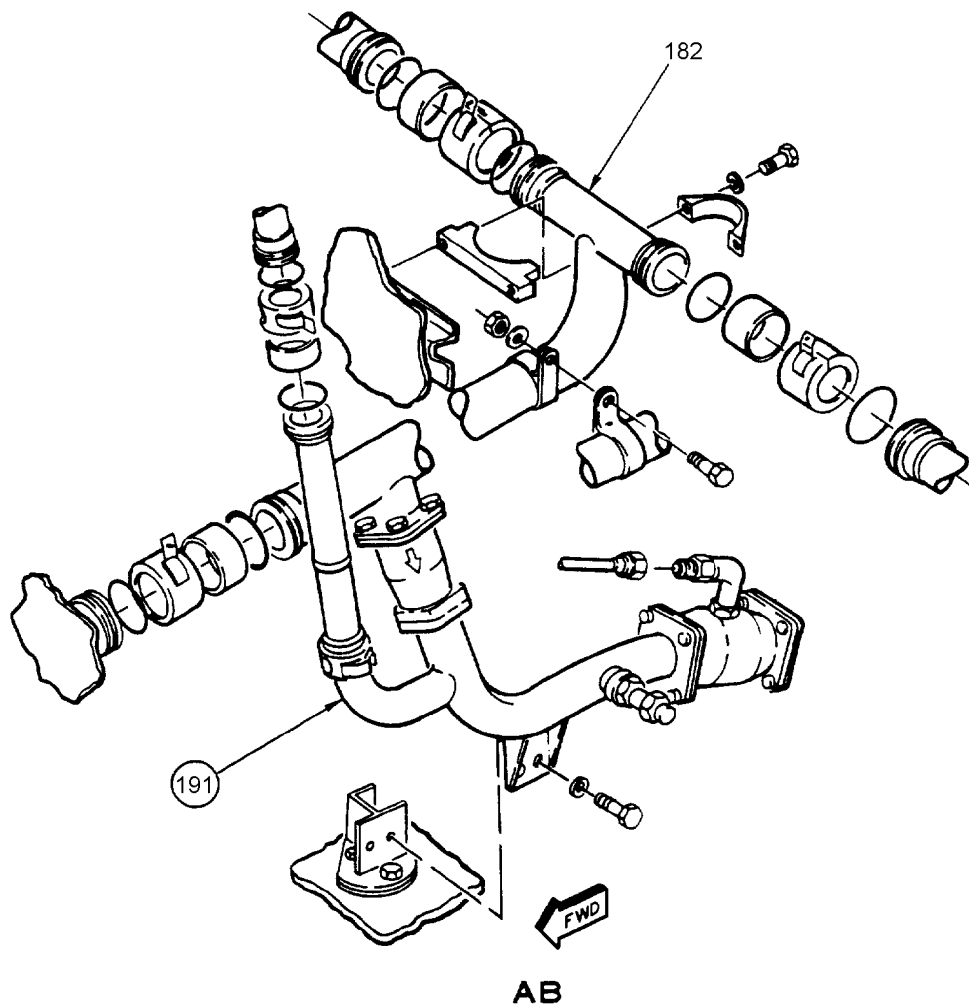
- a. Remove tubes (157 and 162) and related parts.



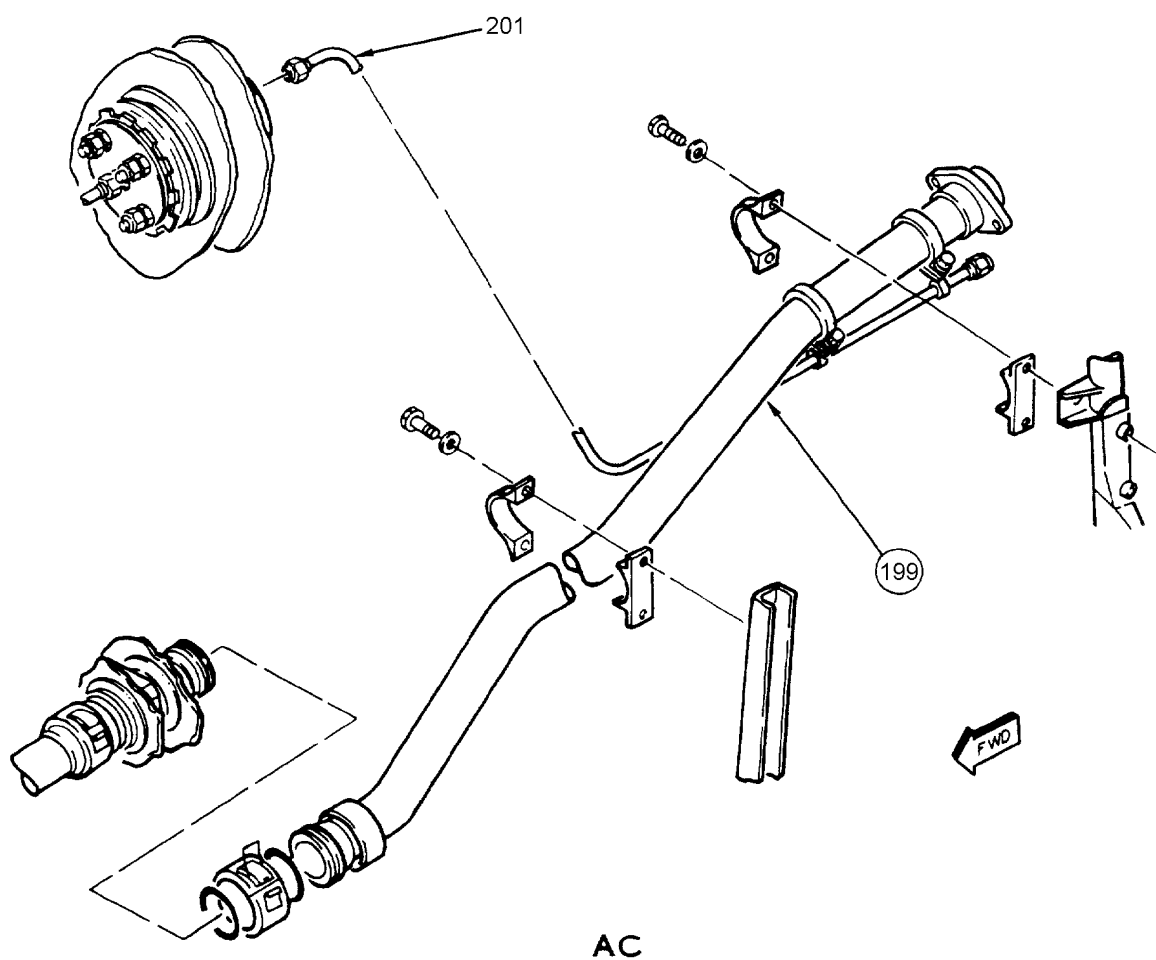
13. SEQUENCE 11.



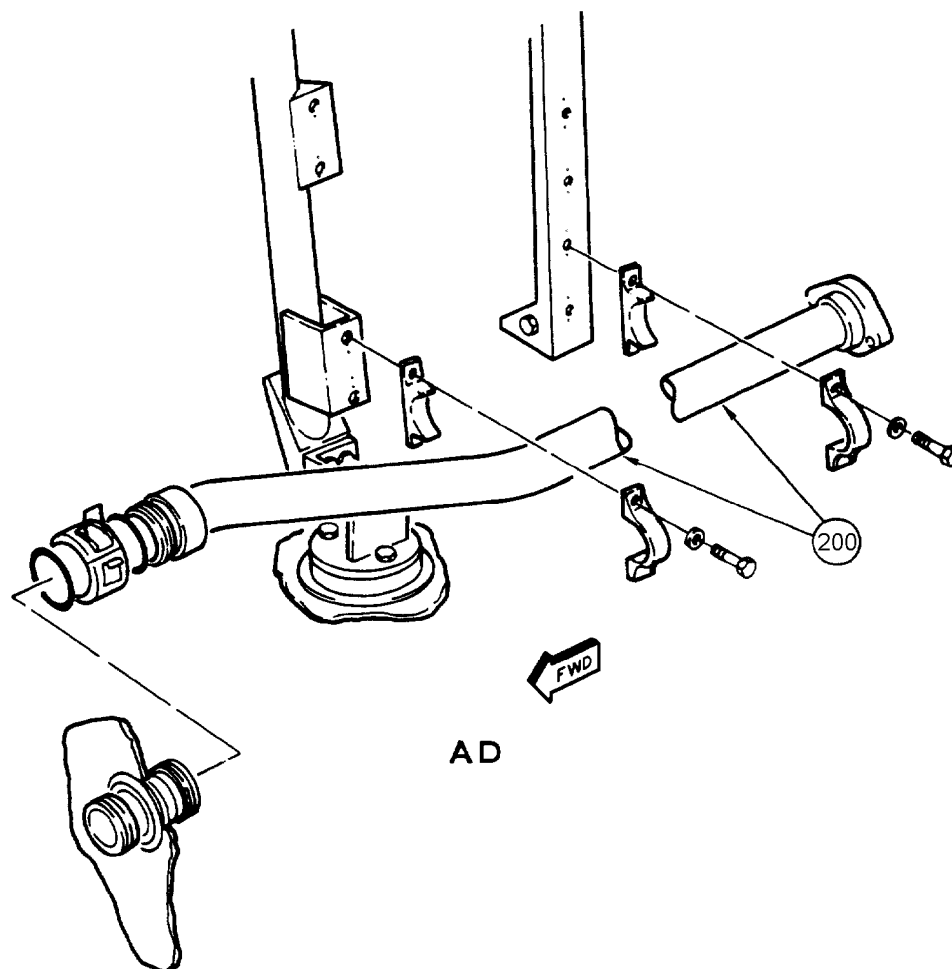
- a. Remove tube (182), manifold (191) and related parts.



- b. On 161353 THRU 161965, disconnect tube (201).
- c. Remove tube (199) with tube (201), if applicable.

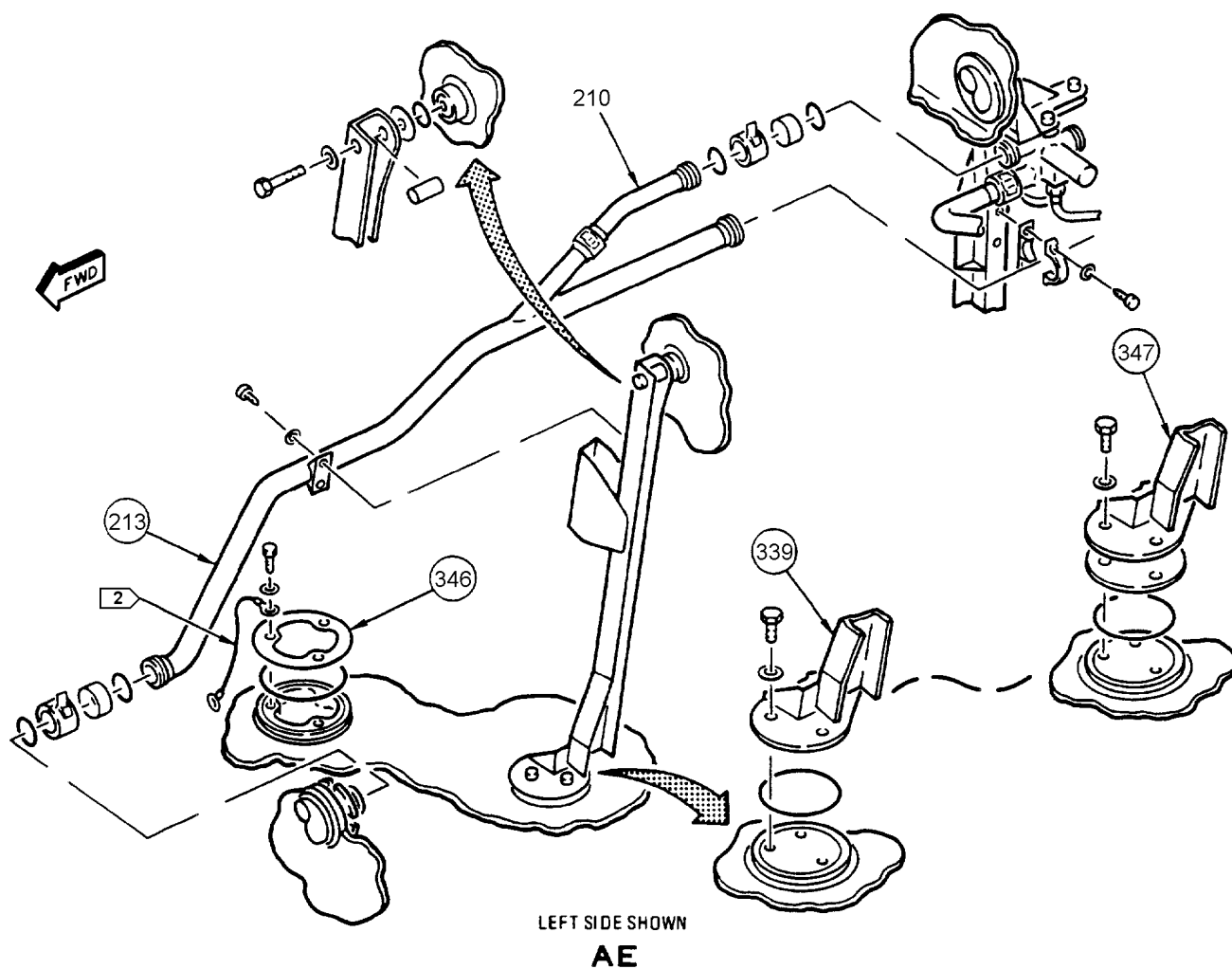


d. Remove tube (200) and related parts.

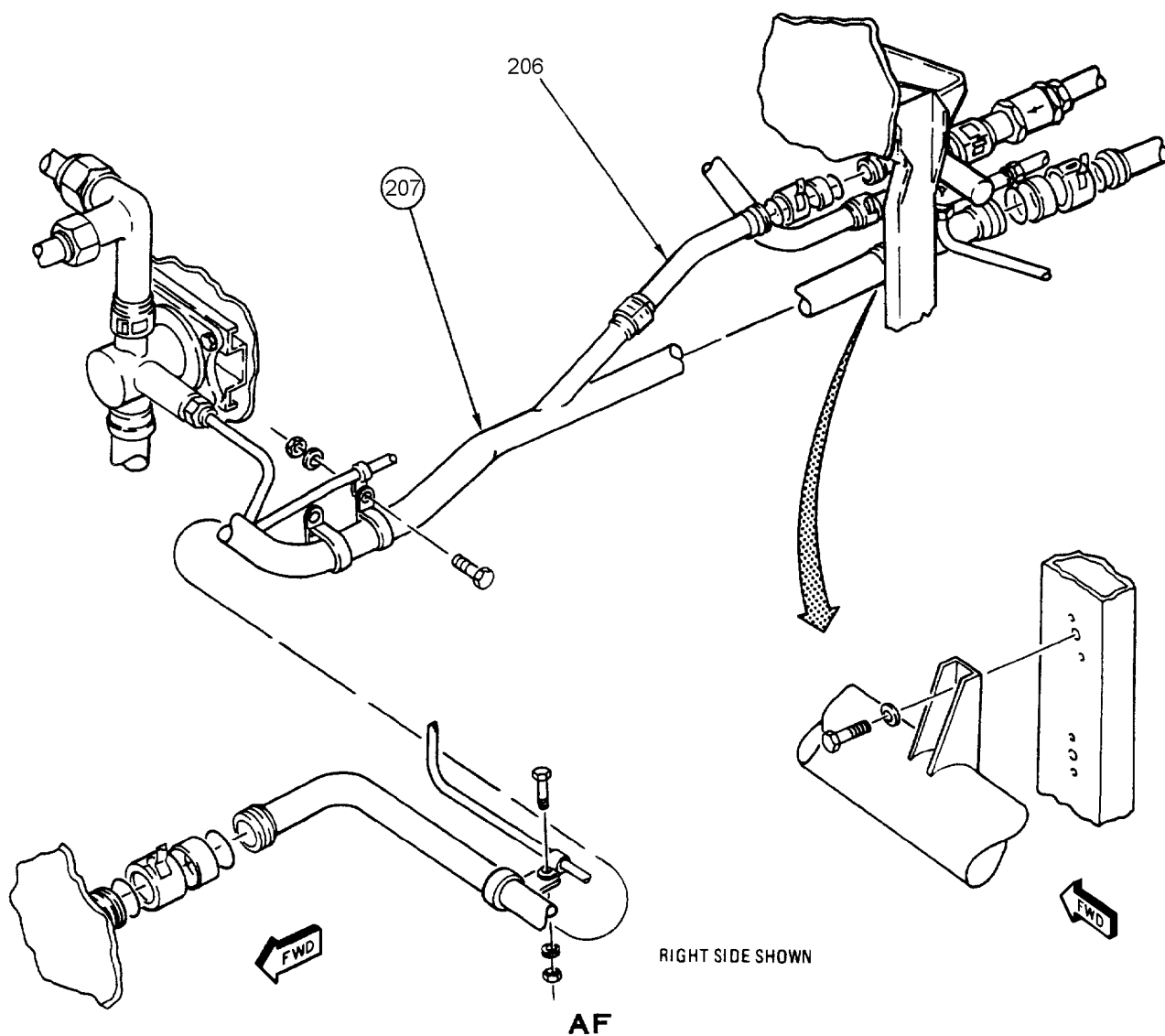


e. Remove tubes (210 and 213) together with related parts.

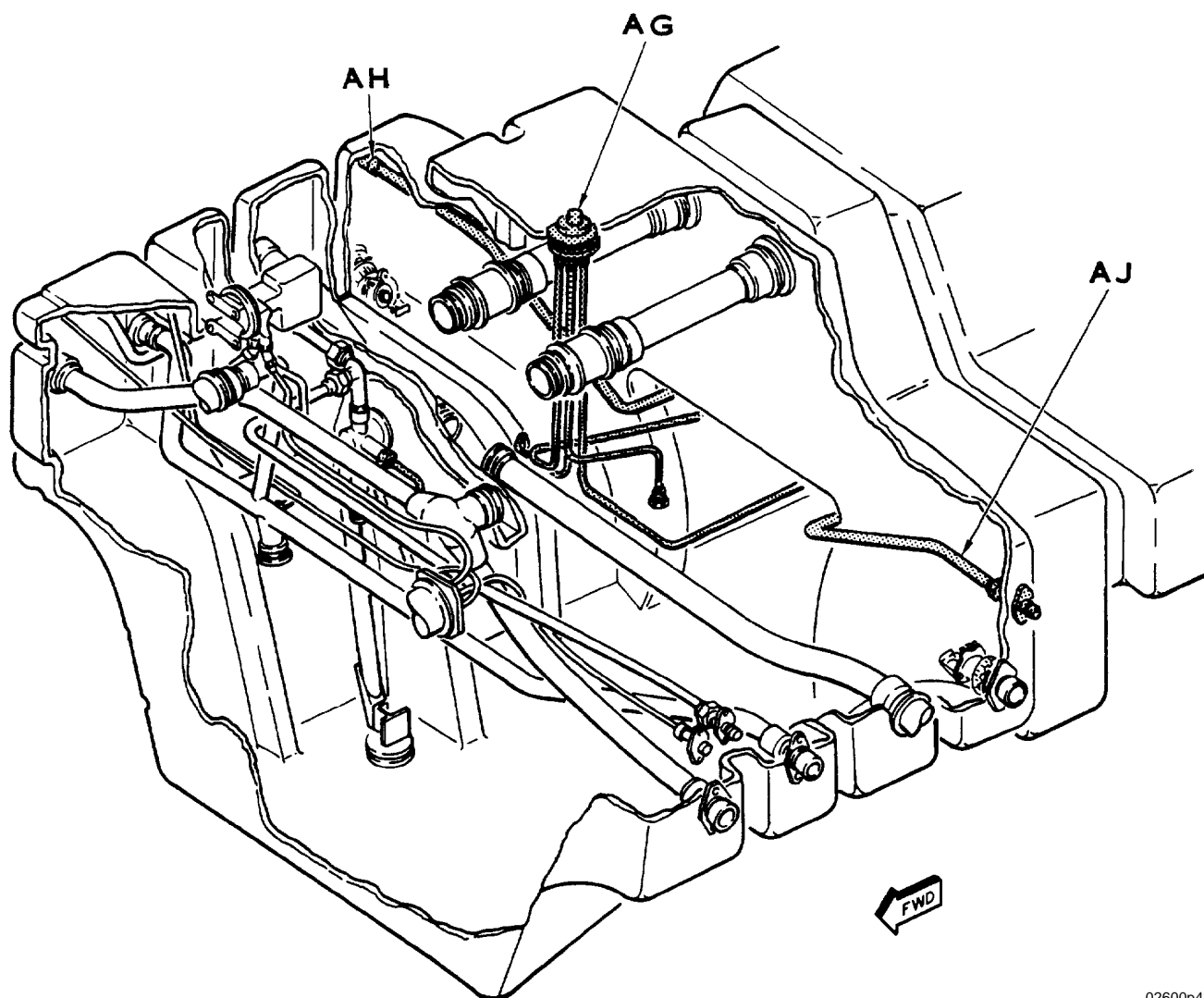
f. Remove retainer plate (346), support (339 or 347) and attaching parts.



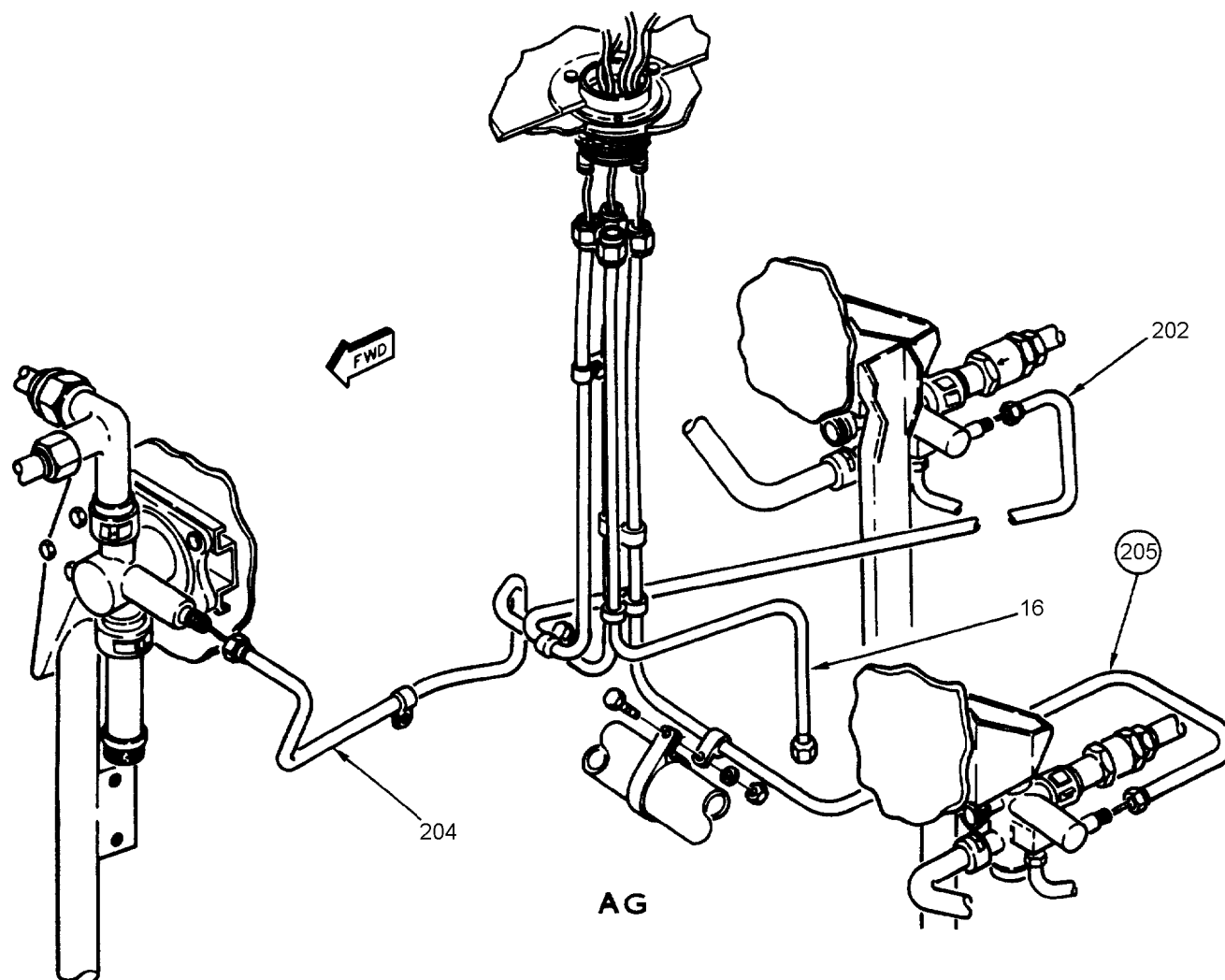
g. Remove tube (206) and manifold (207) together with related parts.



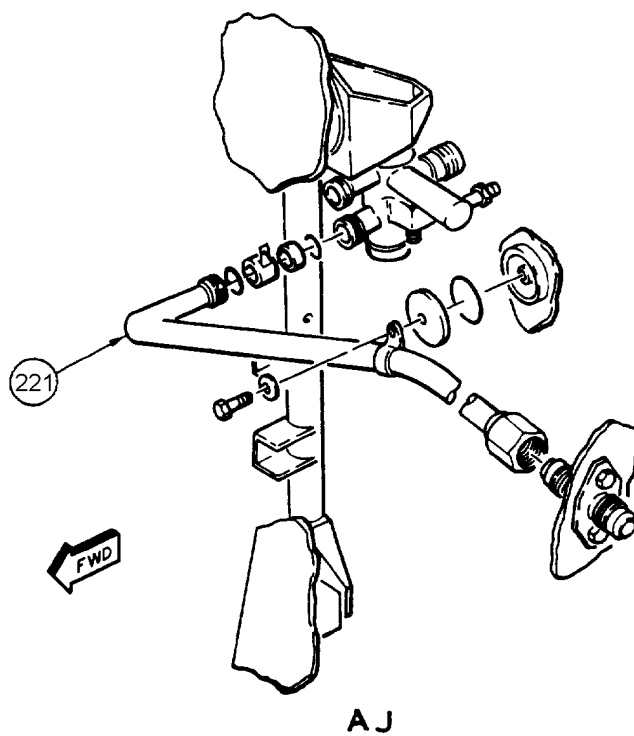
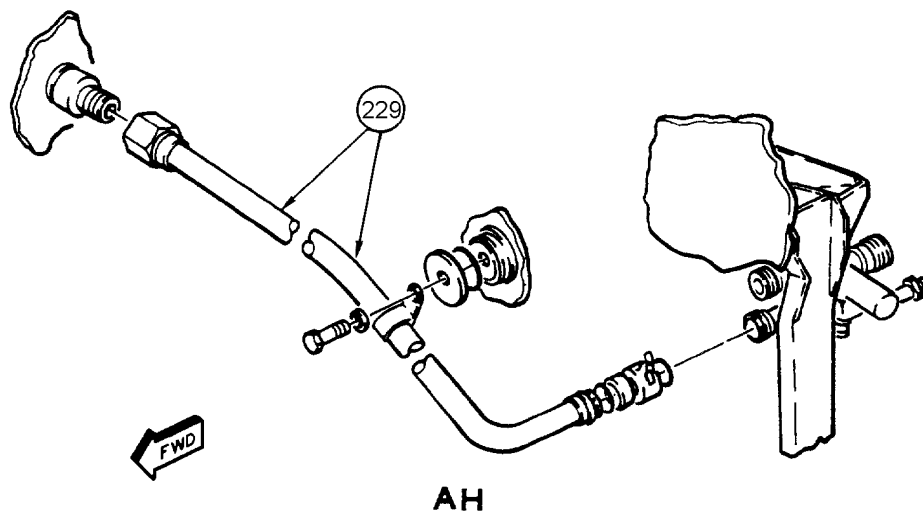
14. SEQUENCE 12.



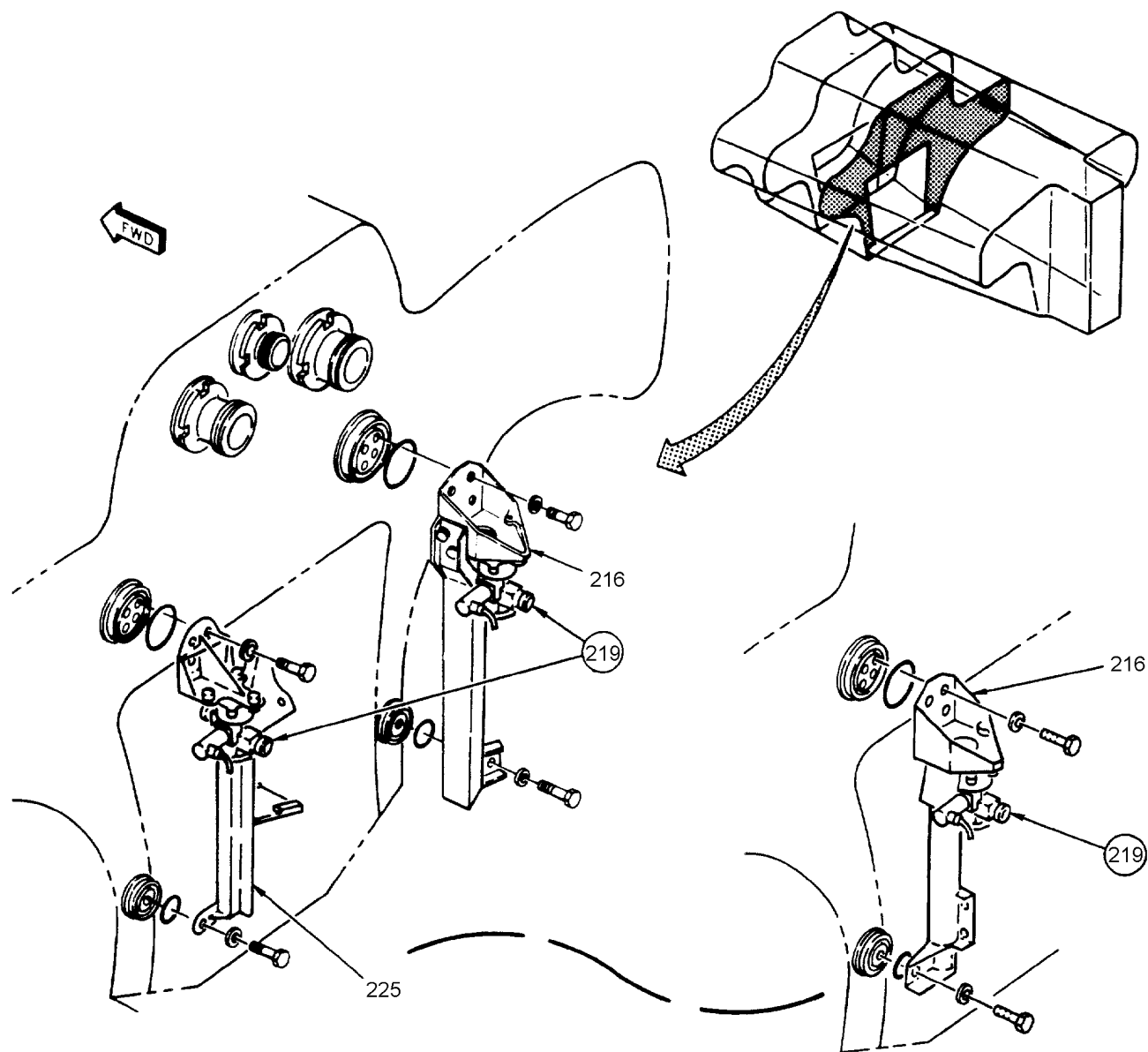
a. Remove tubes (202, 204 and 205) and carefully slide out wires. Untie strings and secure to tubes at both ends. Remove tube (16) with tube (205), if applicable.



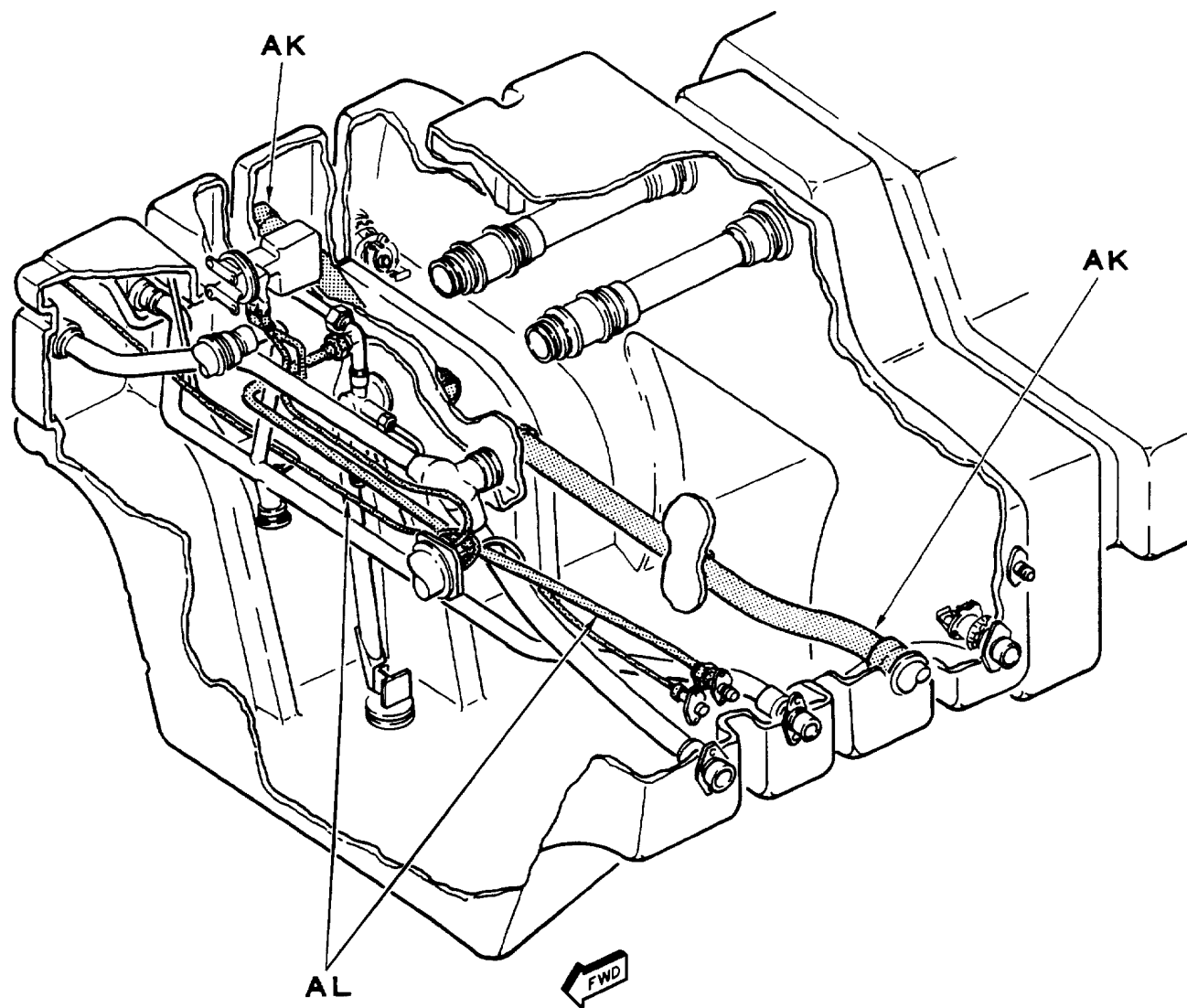
b. Remove tubes (221 and 229) and related parts.



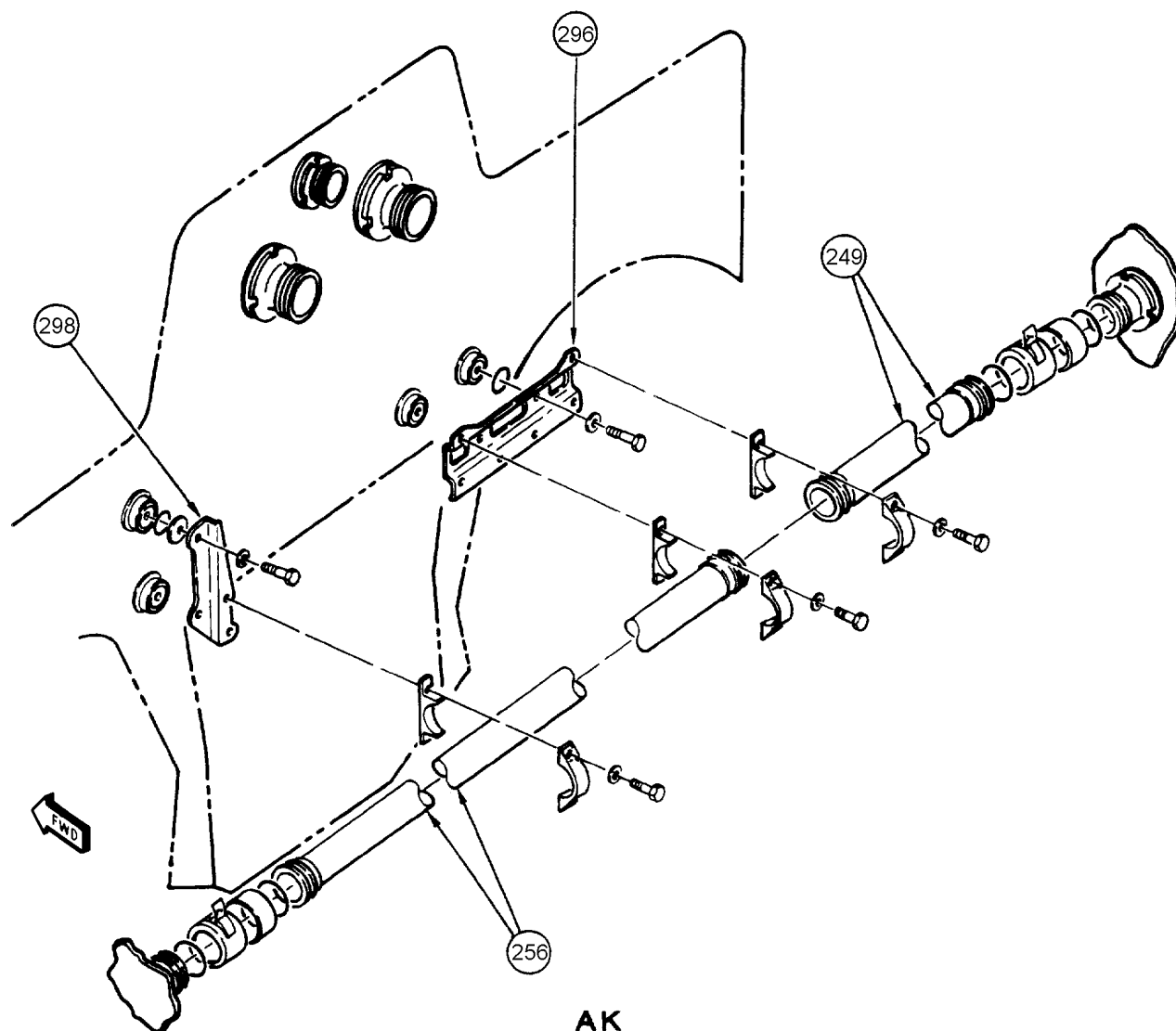
c. Remove valves (219) with supports (216 or 225) and related parts.



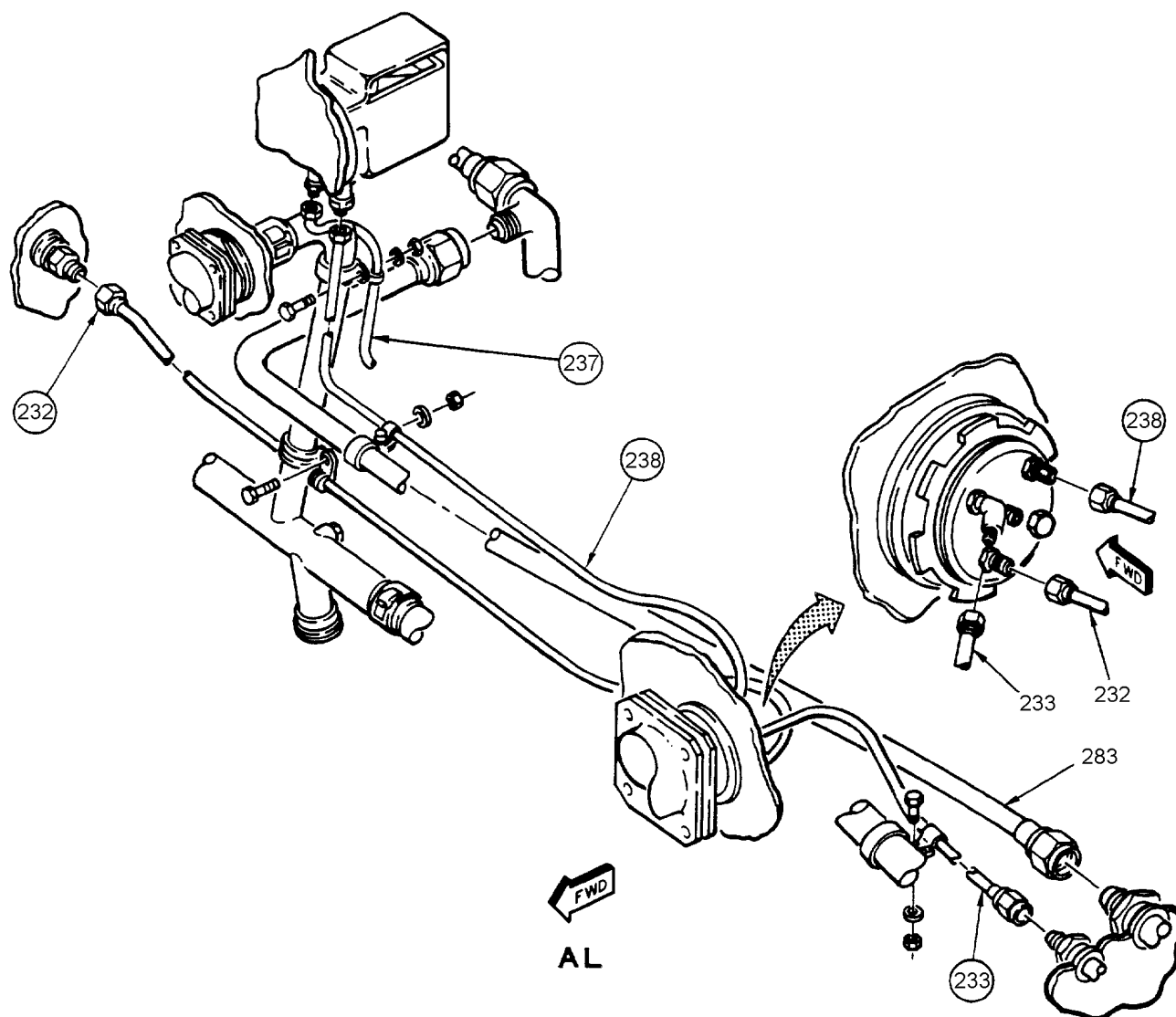
15. SEQUENCE 13.



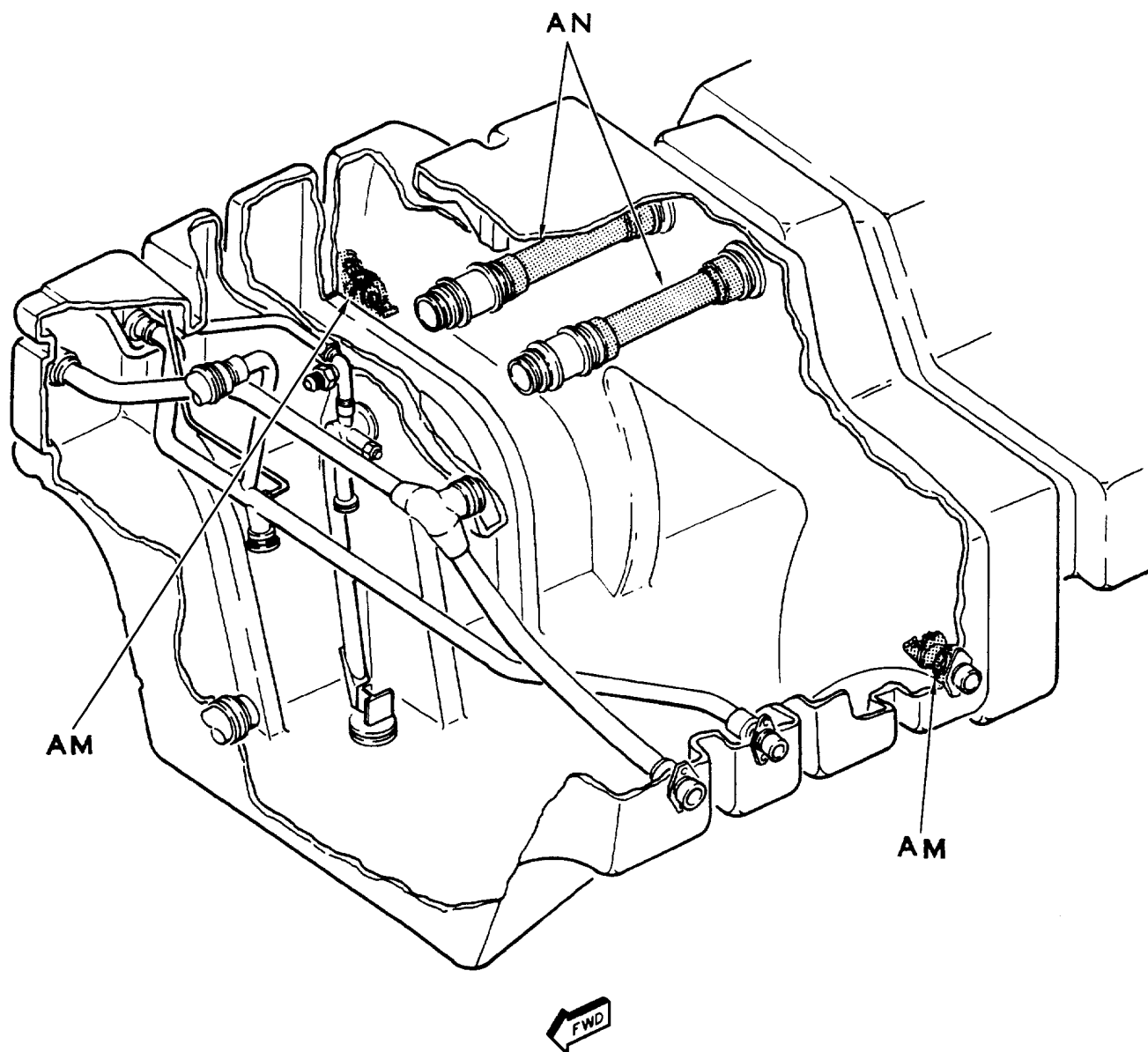
- a. Remove tubes (249 and 256), brackets (296 and 298), and related parts.



b. Remove tubes (232, 233, 237, 238 and 283) and attaching parts.

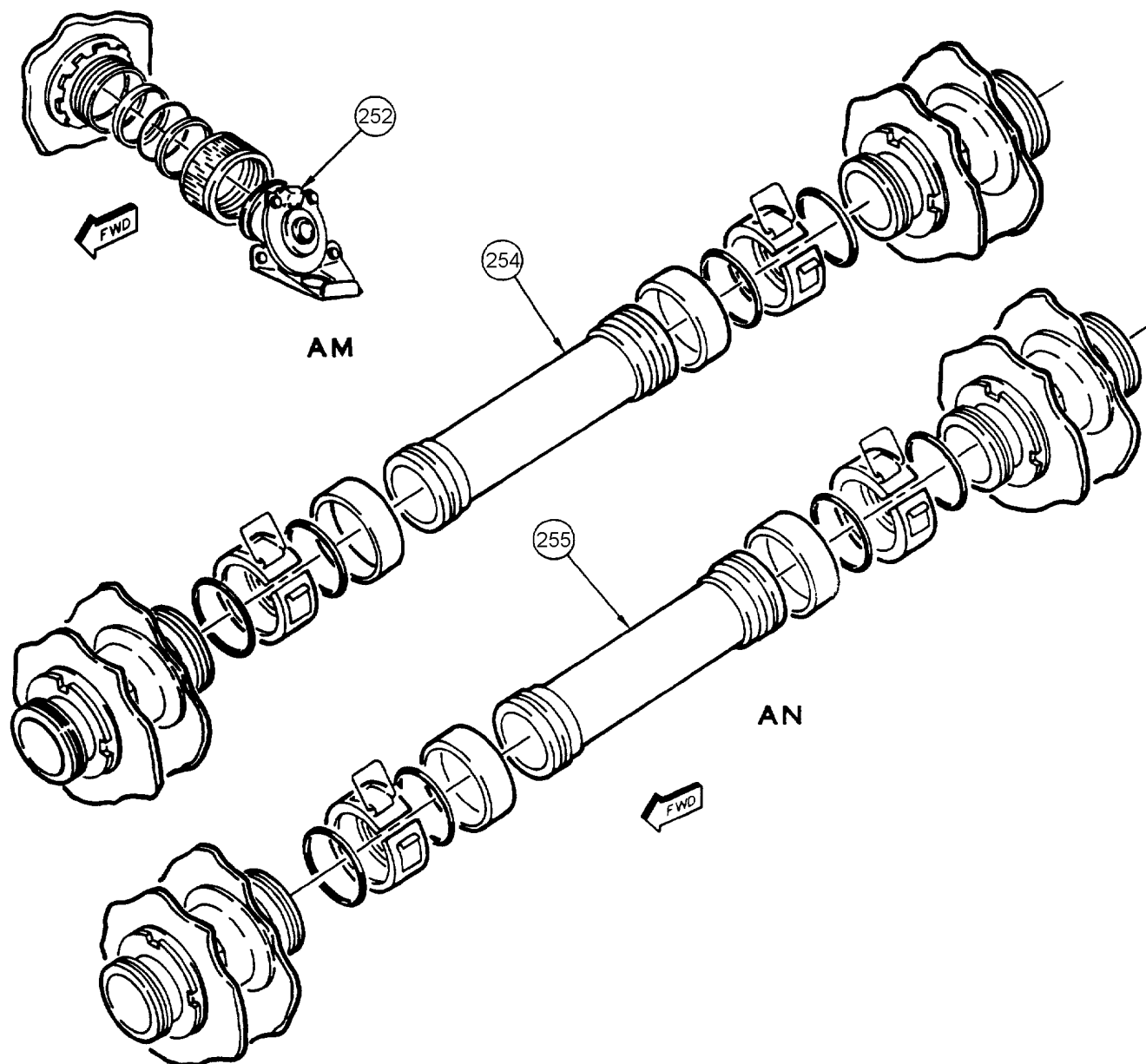


16. SEQUENCE 14.

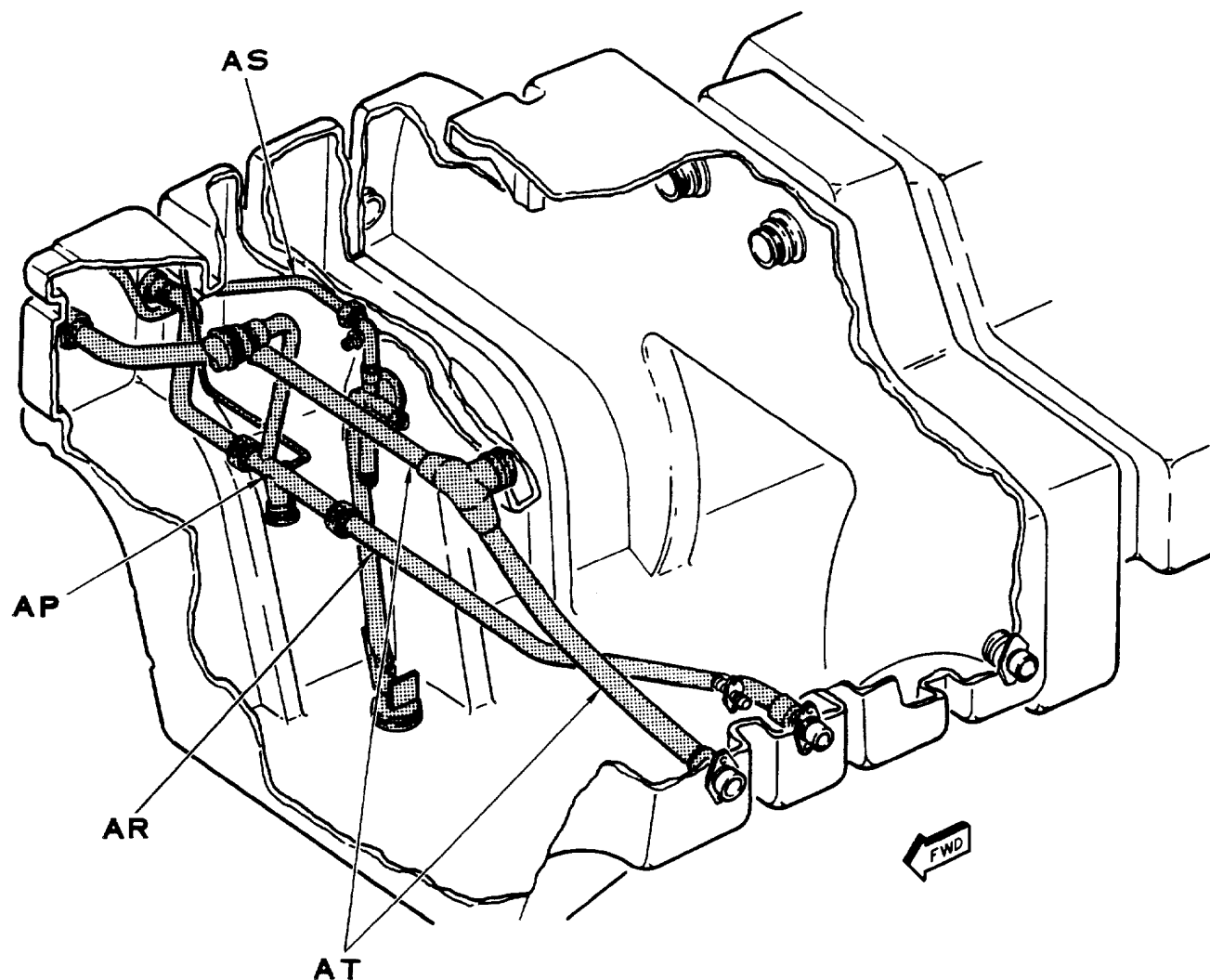


a. Remove valves (252) and related parts from left and right sides.

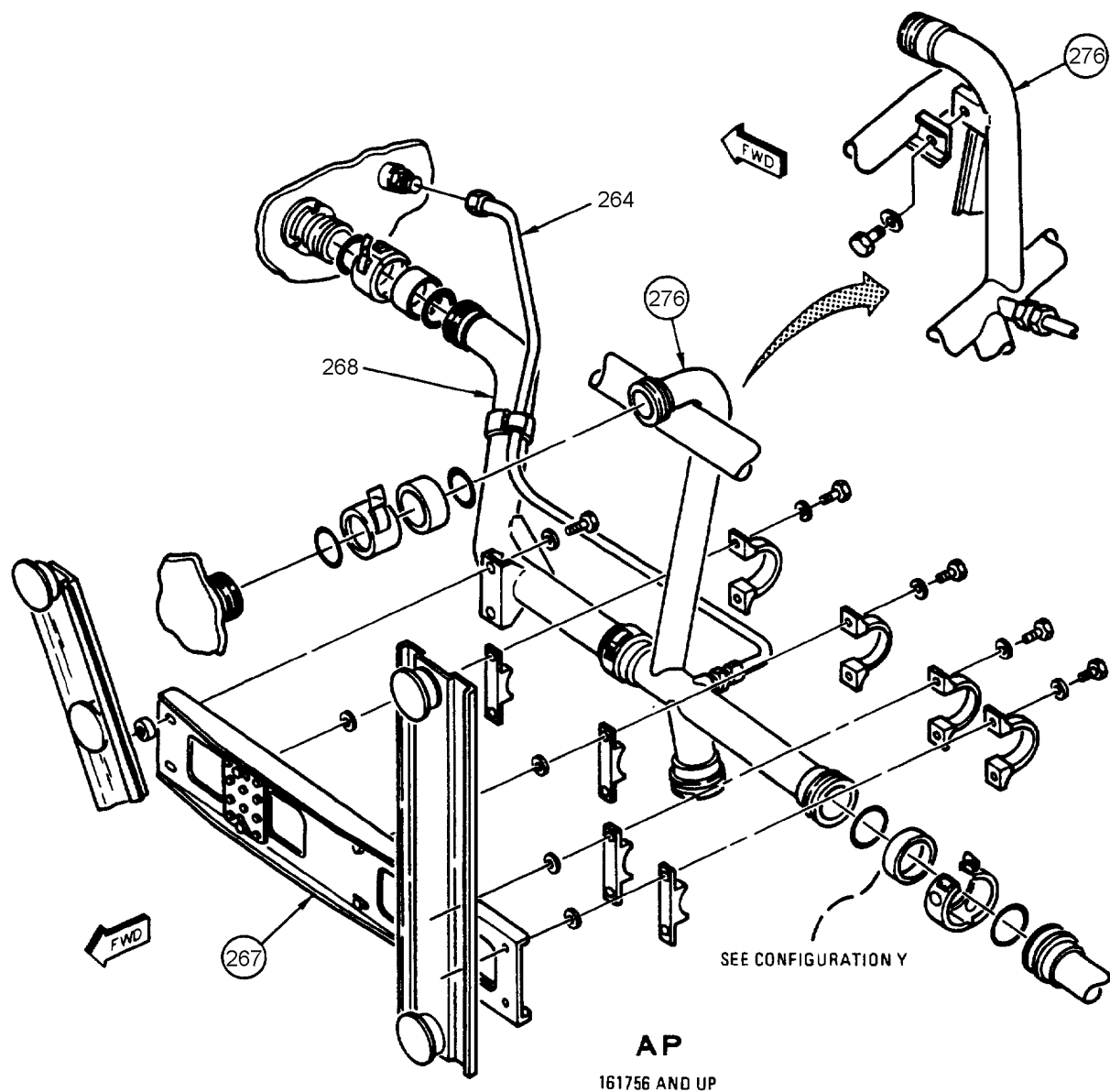
b. Remove tubes (254 and 255) and related parts.



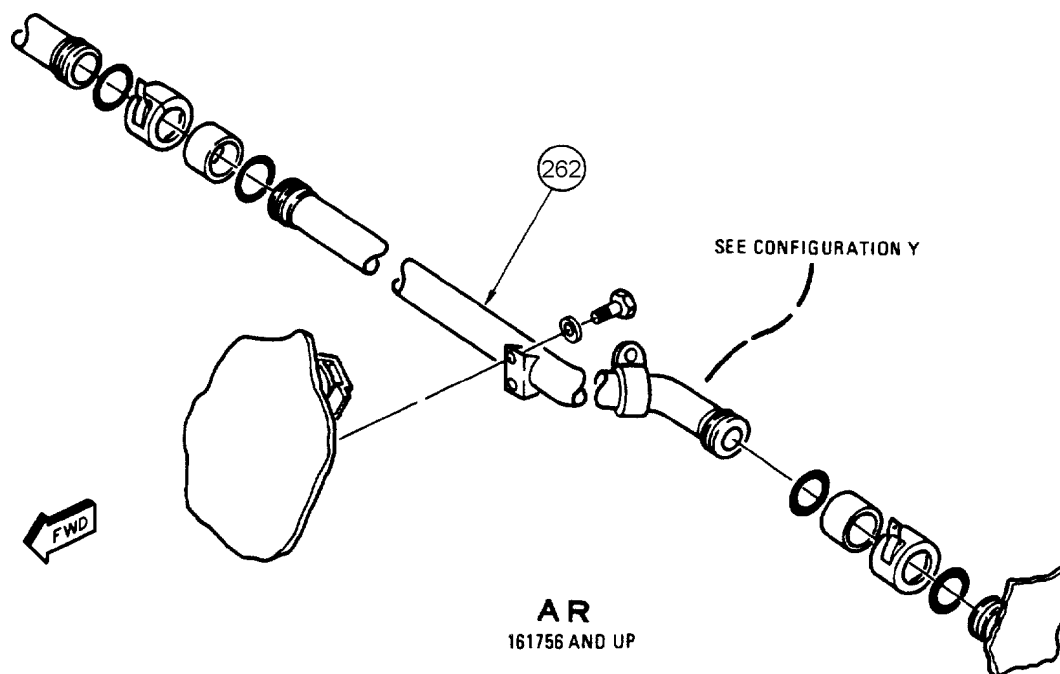
17. SEQUENCE 15.



- a. On 161756 AND UP, remove manifold (276), tubes (264 and 268), bracket (267) and related parts.



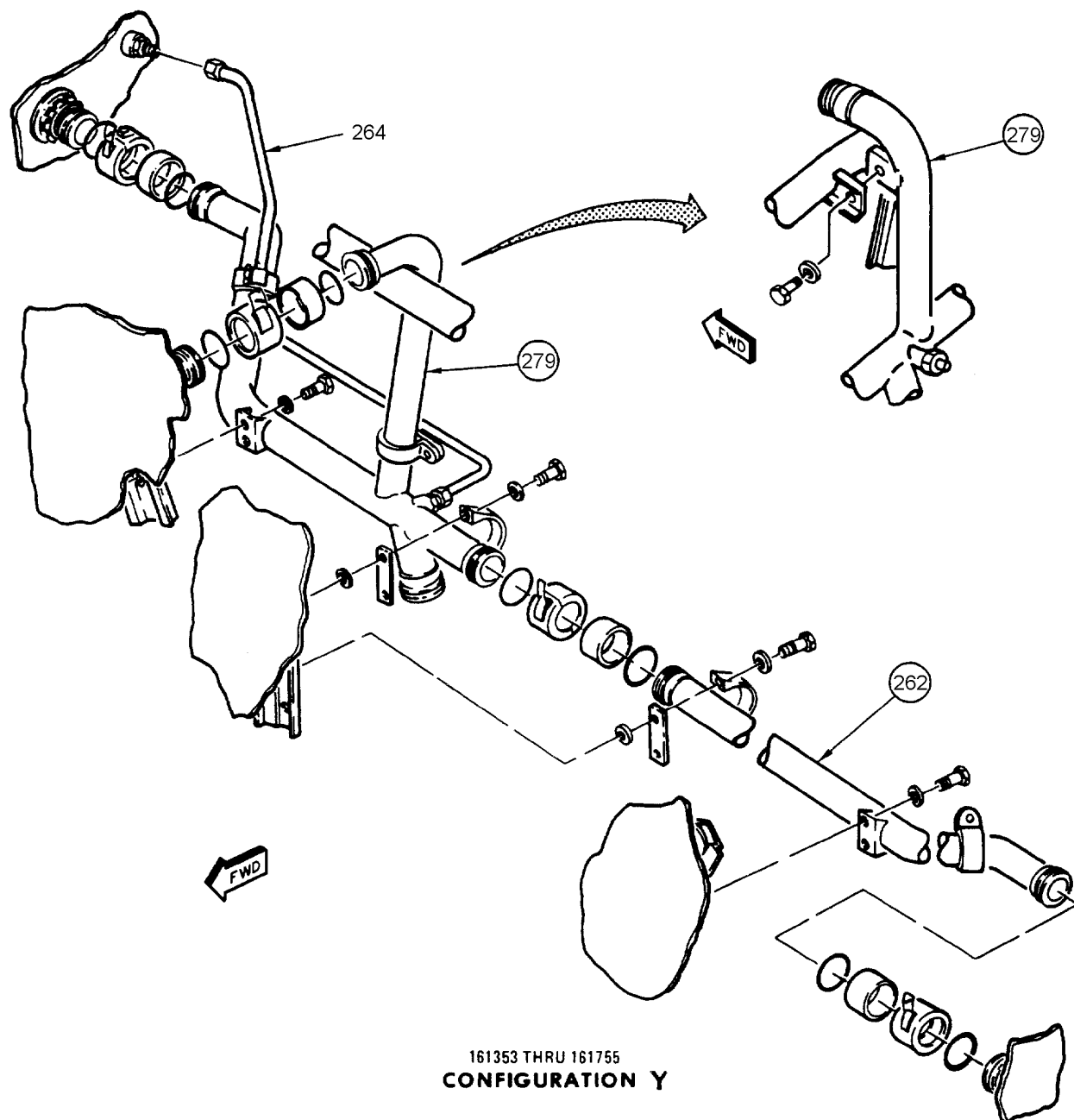
b. On 161756 AND UP, remove tube (262) and related parts.



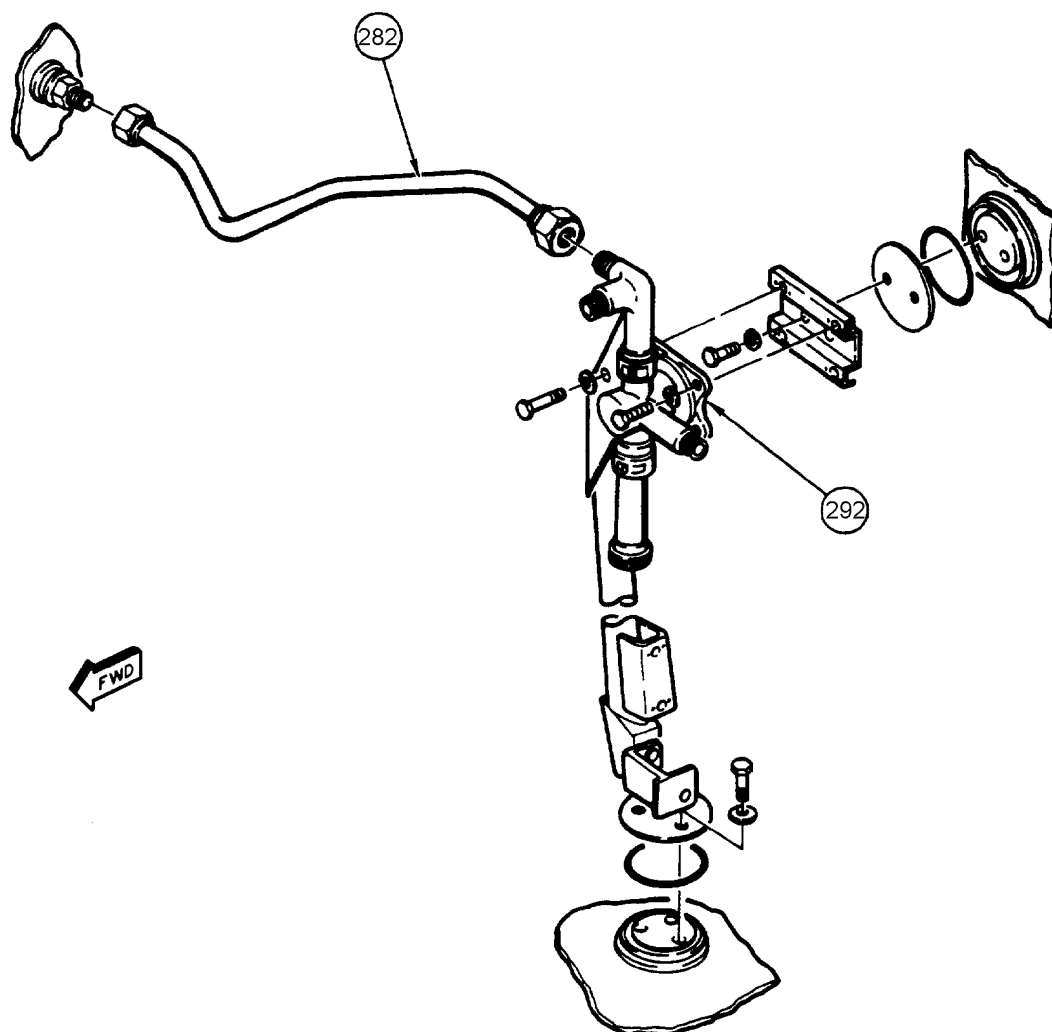
c. On 161353 THRU 161755, do substeps below:

(2) Remove manifold (279), tube (264) and related parts.

(1) Remove tube (262) and attaching parts.

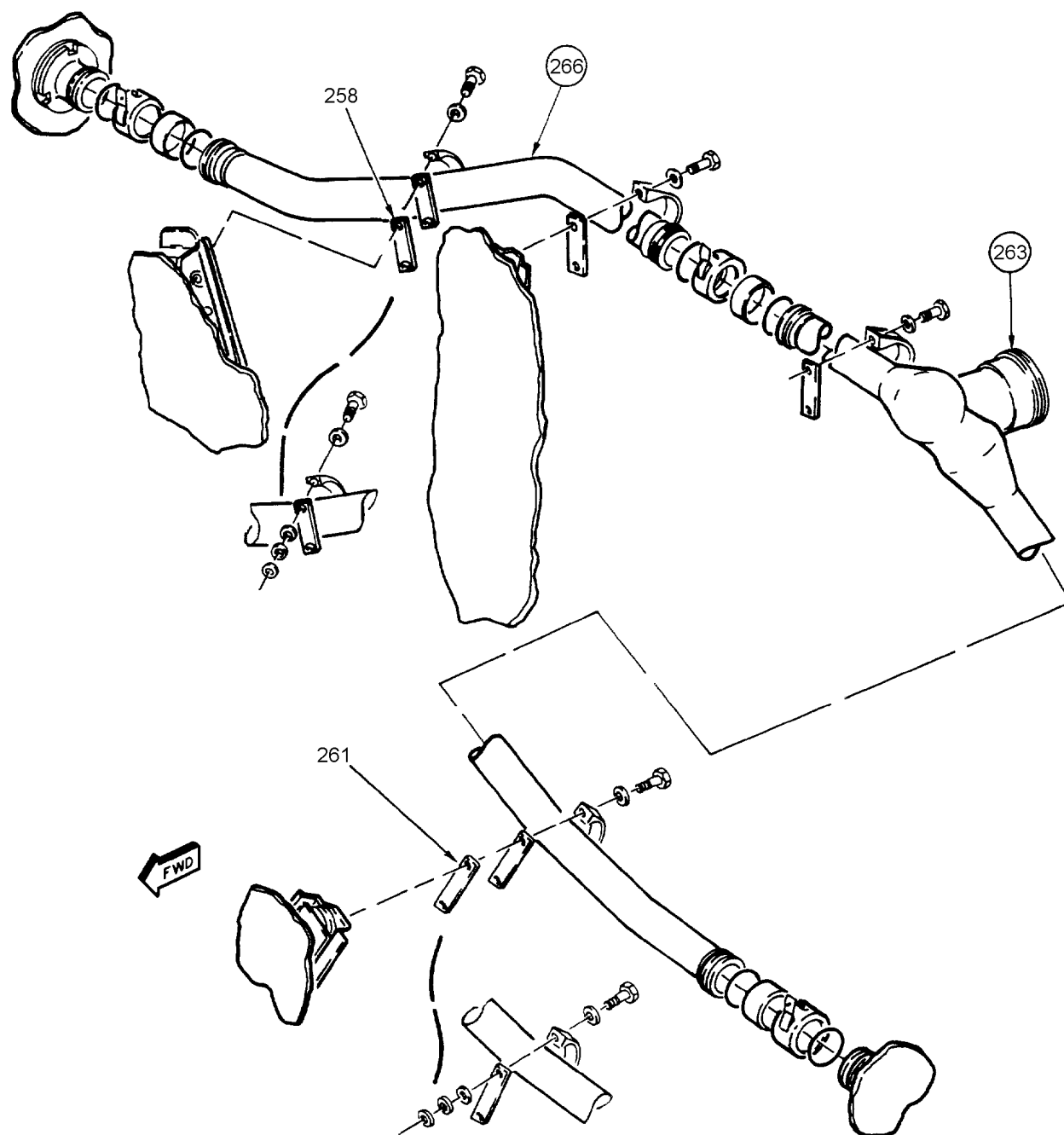


- d. Remove tube (282).
- e. Remove valve (292) and related parts.



AS

f. Remove tubes (263 and 266), shims (258 and 261) and attaching parts.



AT

18. SEQUENCE 16.

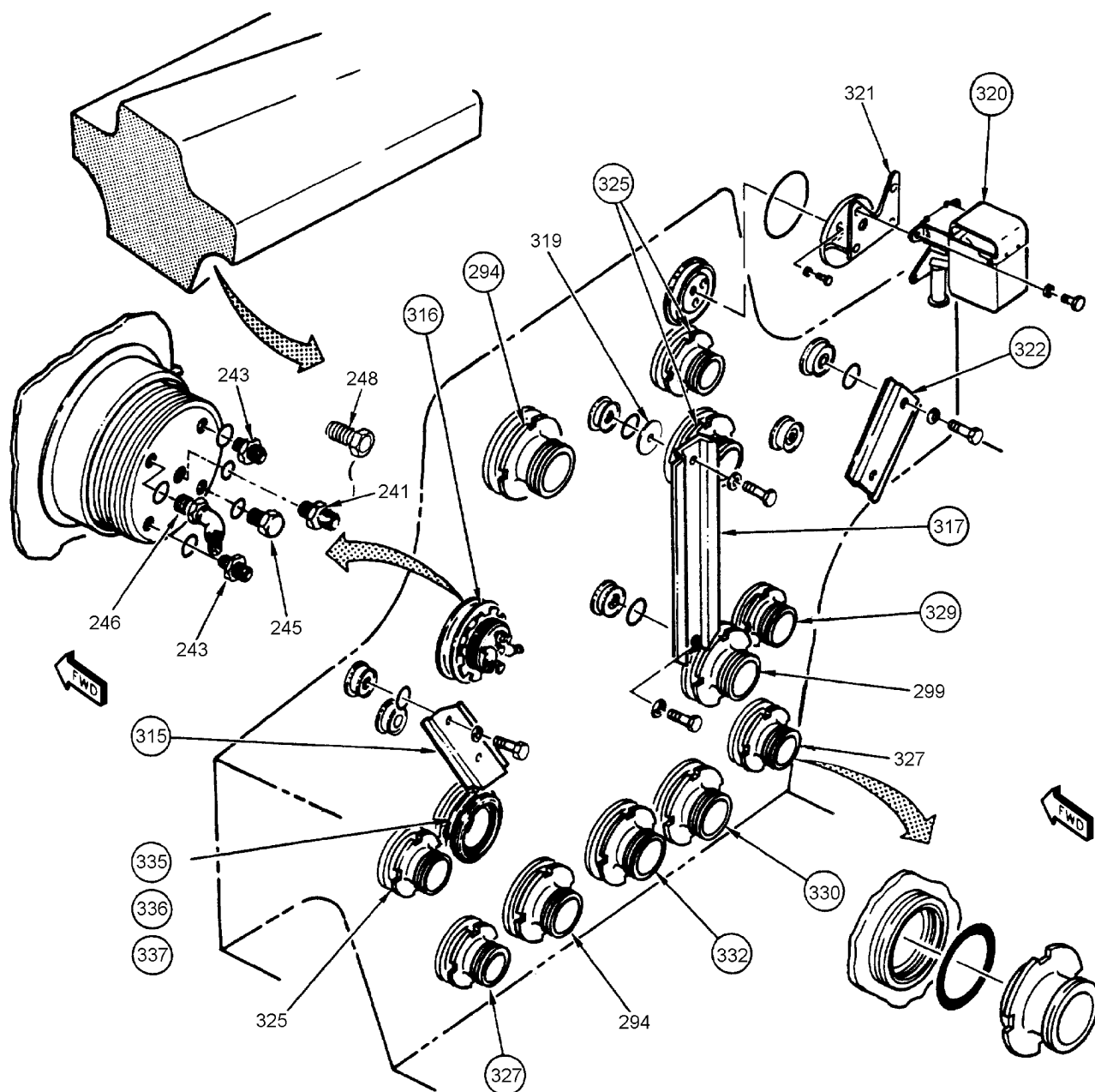
a. Remove valve (320), nipples (243), elbow (246), plug (245), and reducer (241) or plug (248).

b. Mark top of adapter (321).

NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

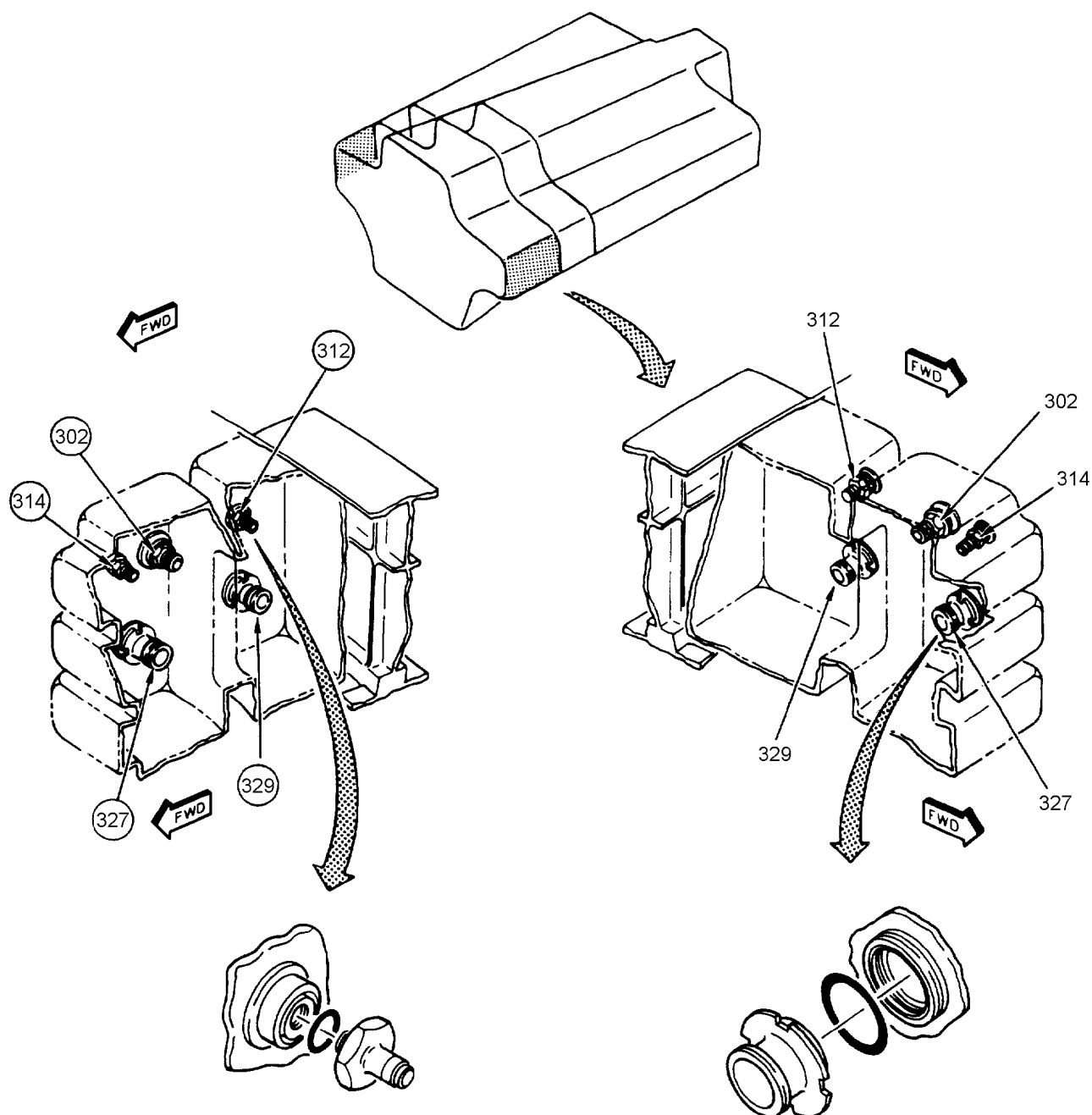
c. Remove adapter (321), brackets (315, 317 and 322) with attaching parts, spacer (319), and nuts or retainers (294, 325, 327, 329, 330, 332 and 335 or 336 or 337).



NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

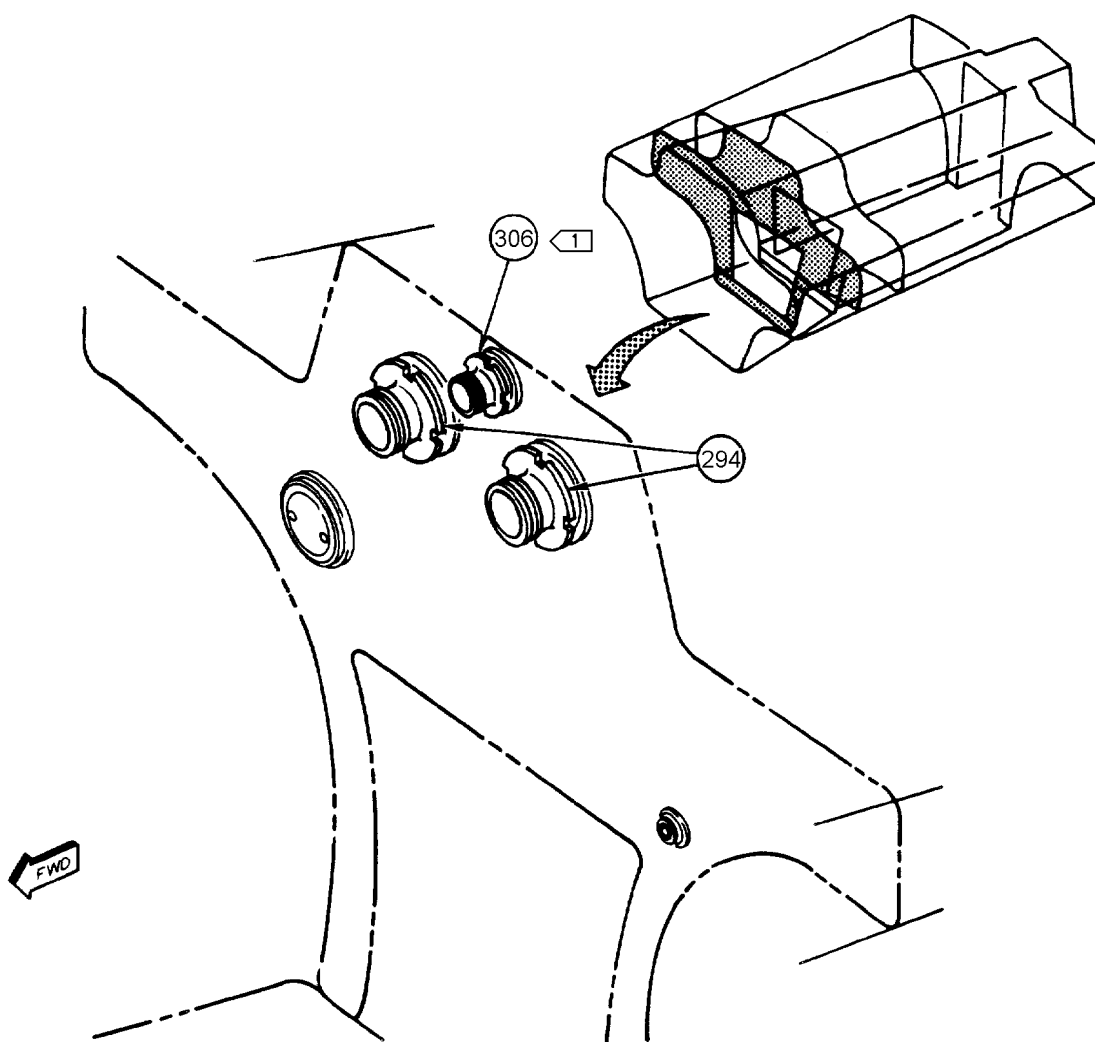
d. Remove nuts or retainers (302, 312, 314, 327 and 329).



NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

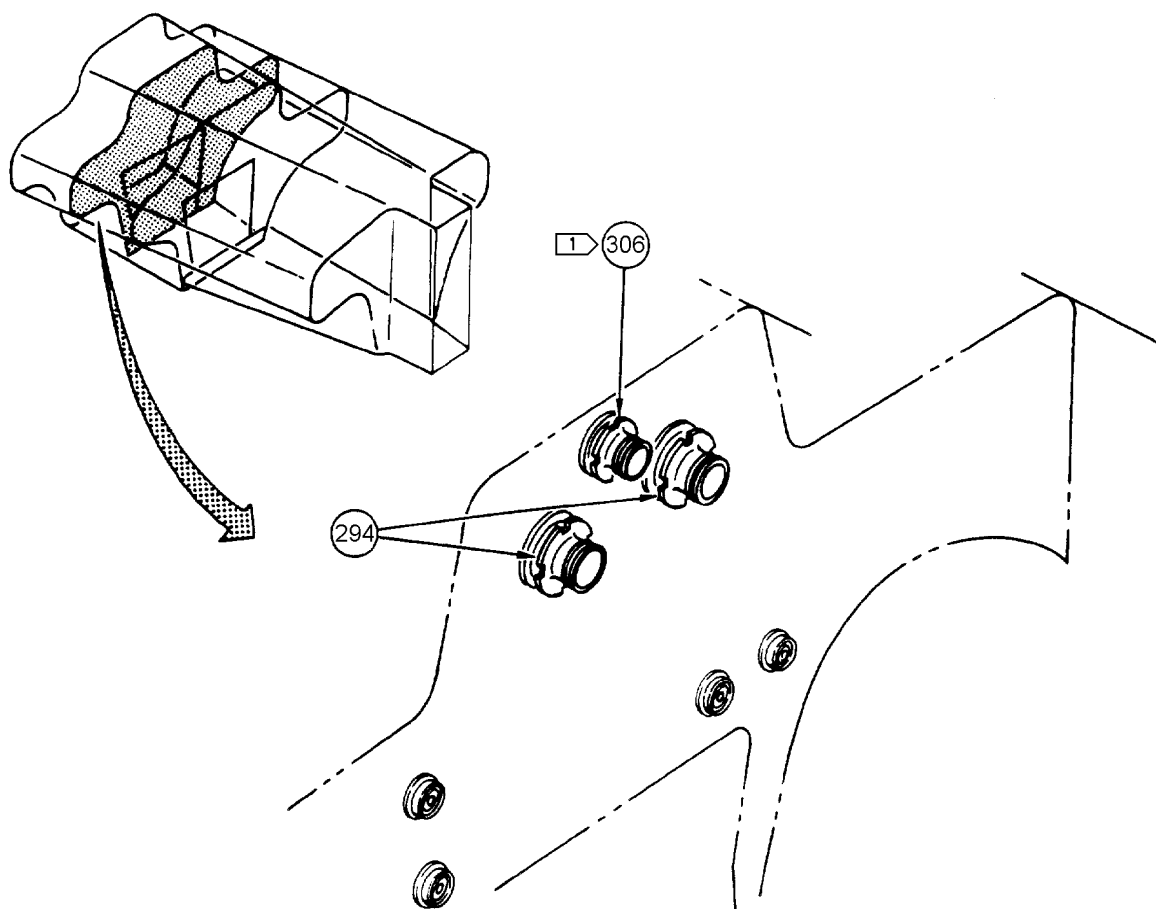
e. Remove nuts or retainers (294) and, if applicable (306).



NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

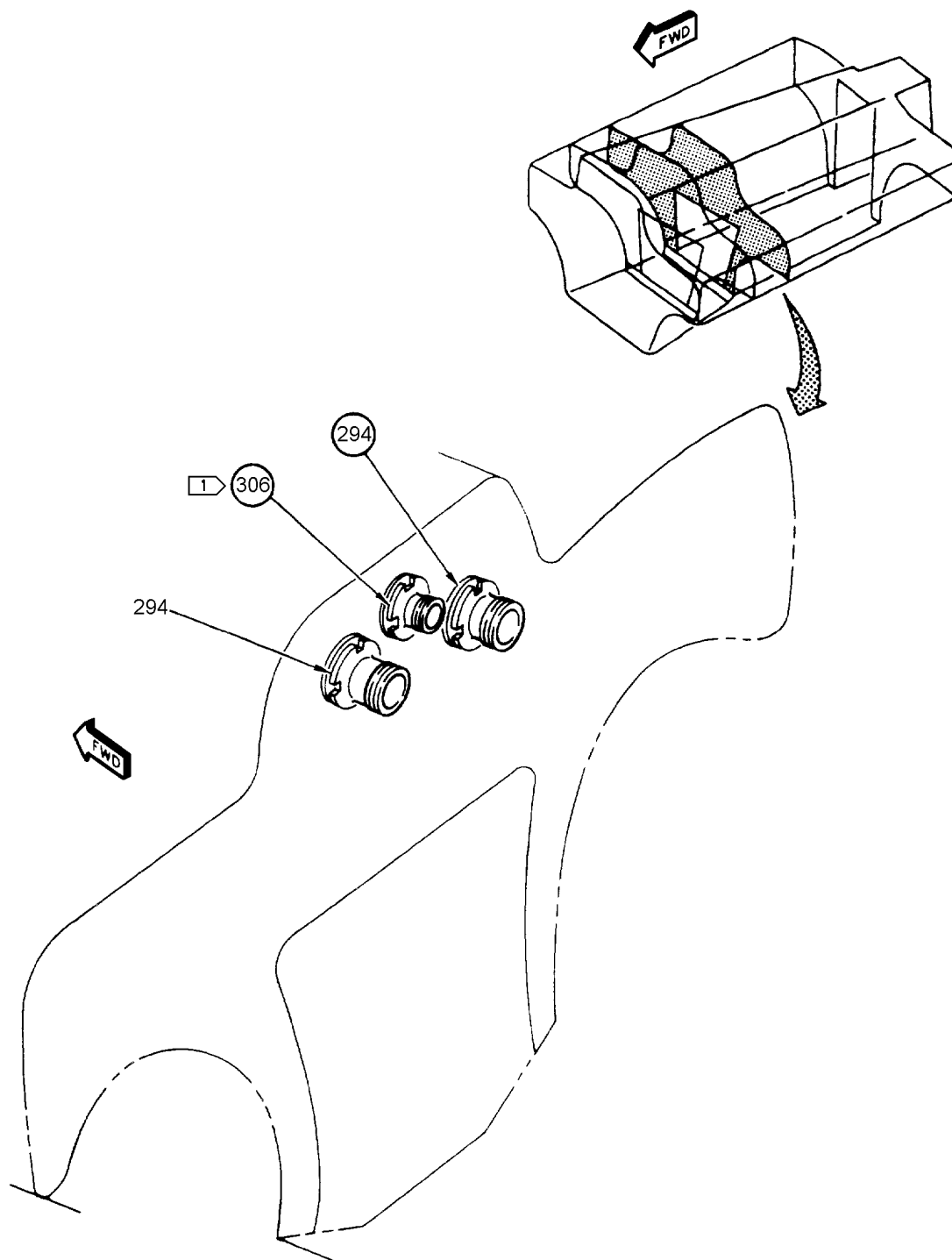
f. Remove nuts or retainers (294) and, if applicable (306).



NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

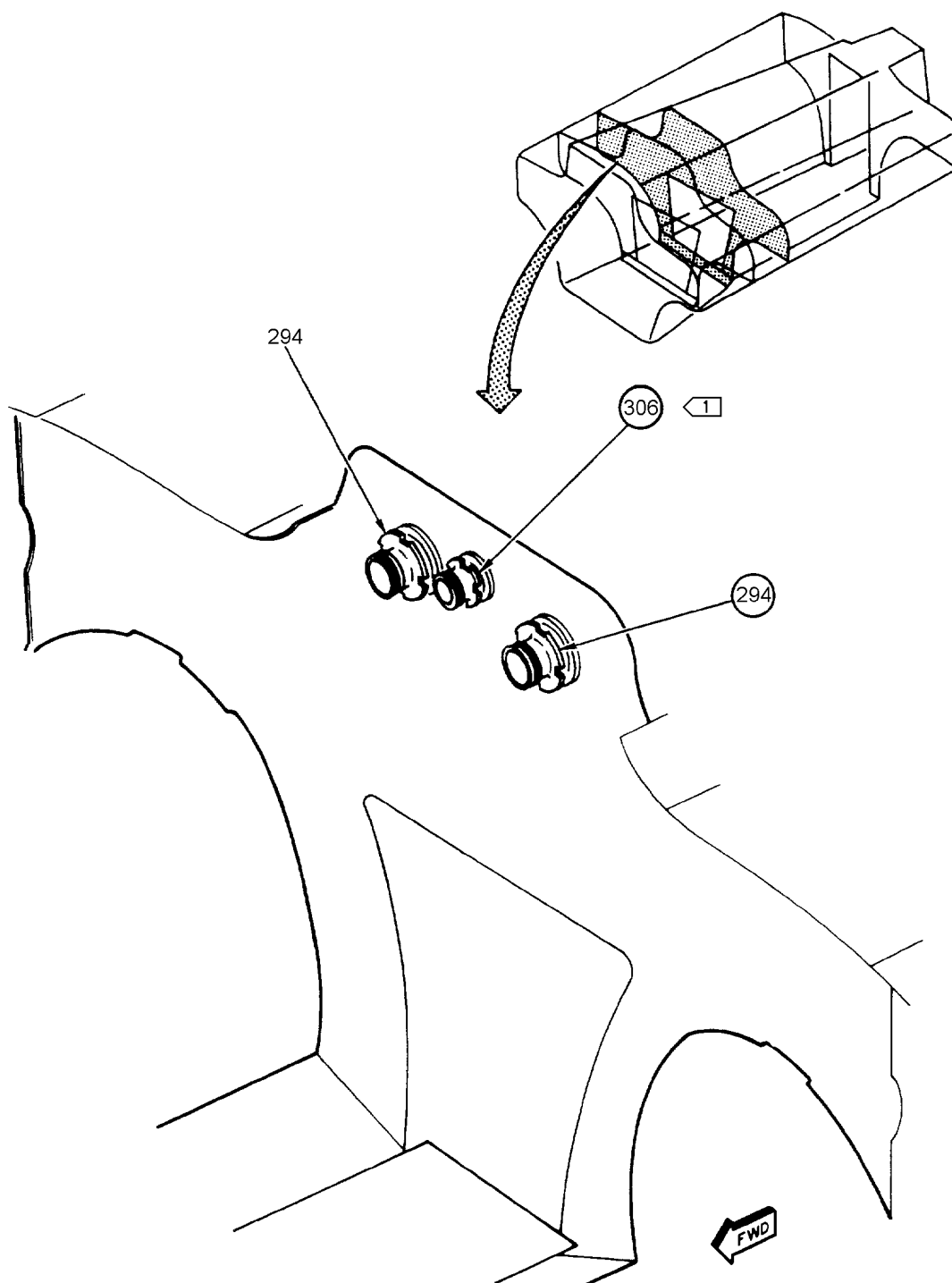
g. Remove nuts or retainers (294) and, if applicable (306).



NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

h. Remove nuts or retainers (294) and, if applicable (306).

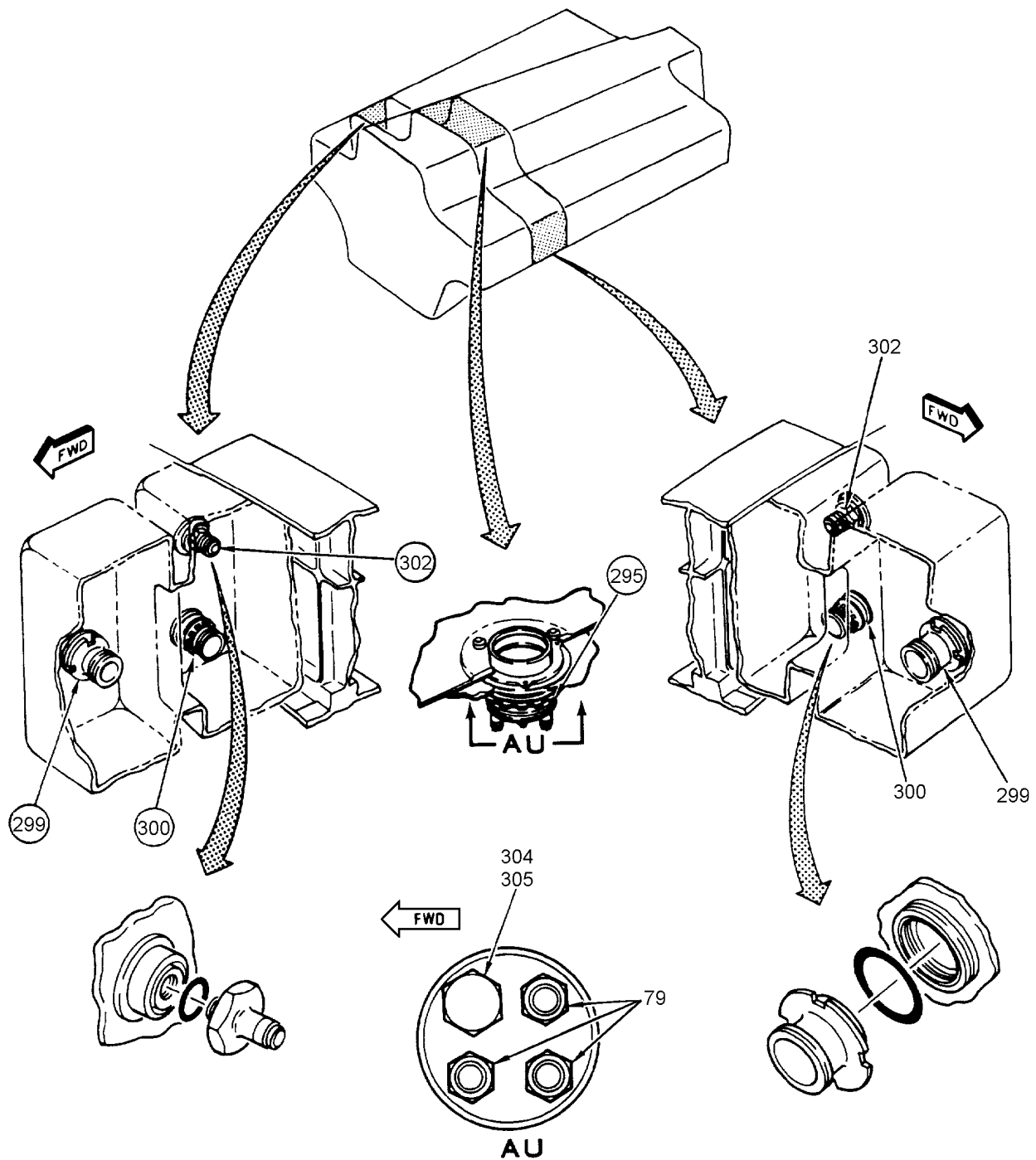


i. Remove nipples (82), and plug (304) or nipple (305).

j. Remove nuts or retainers (295, 299, 300 and 302).

NOTE

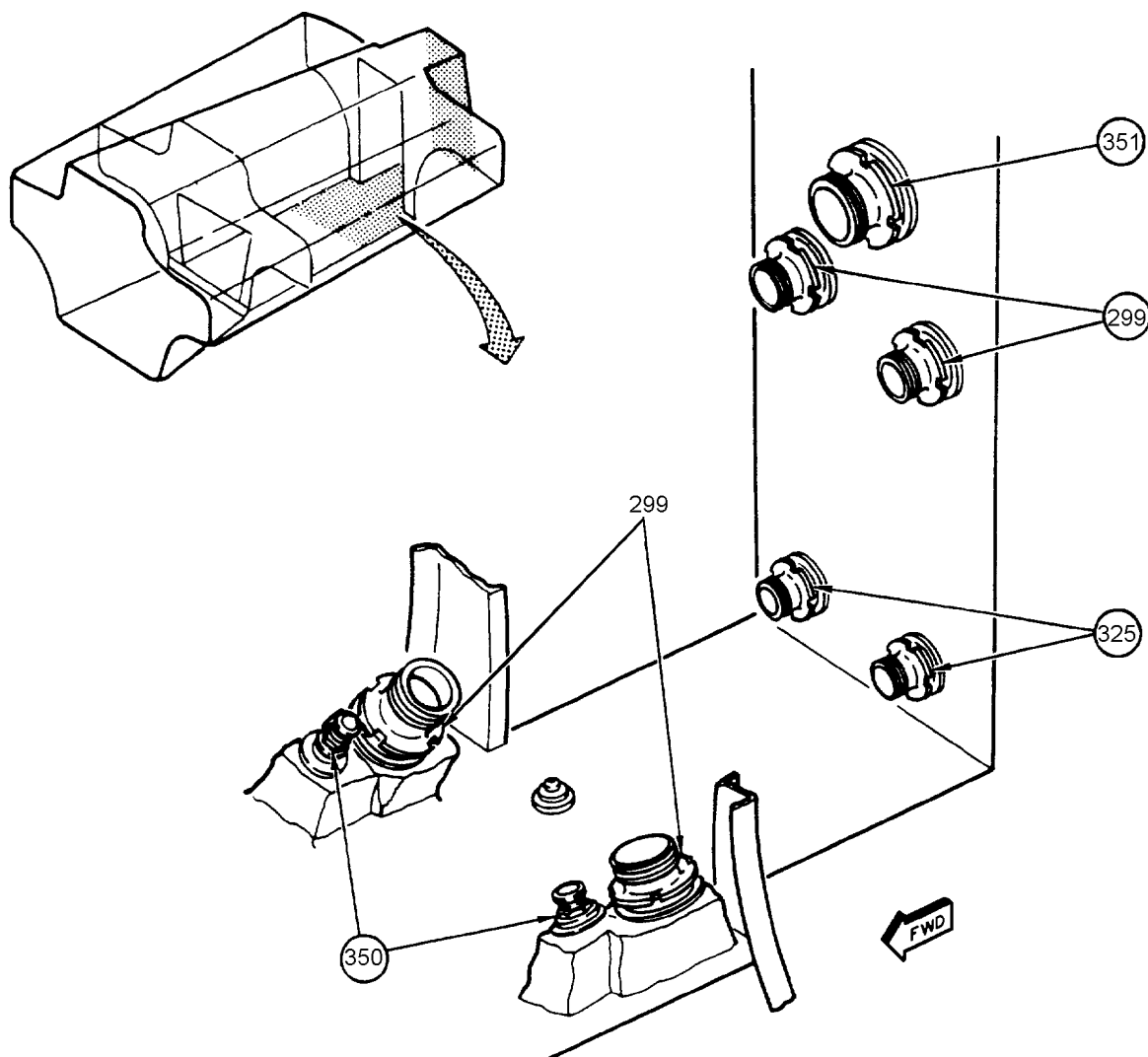
High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.



NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulk-head retainers.

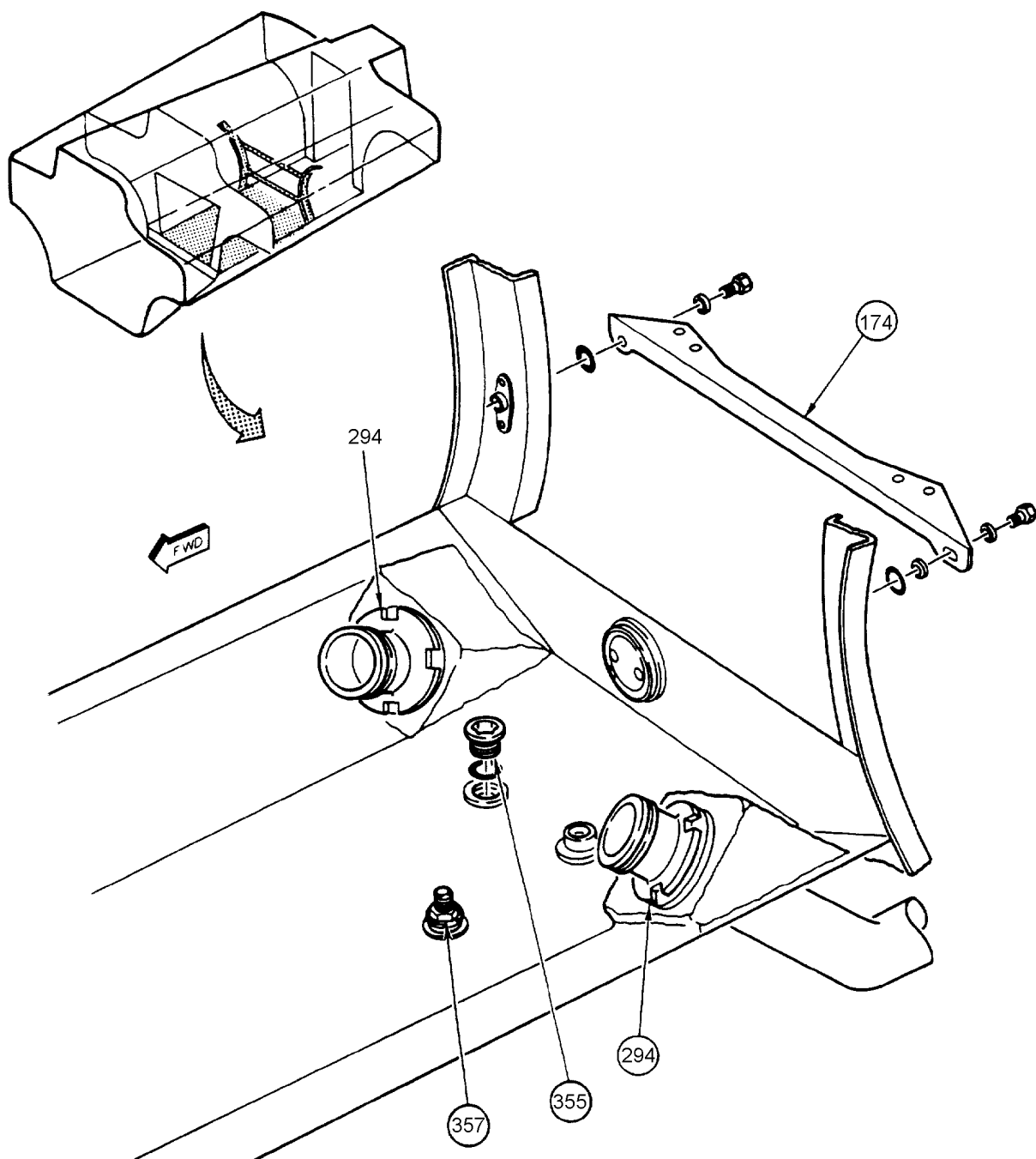
k. Remove nuts and retainers (299, 325, 350 and 351).



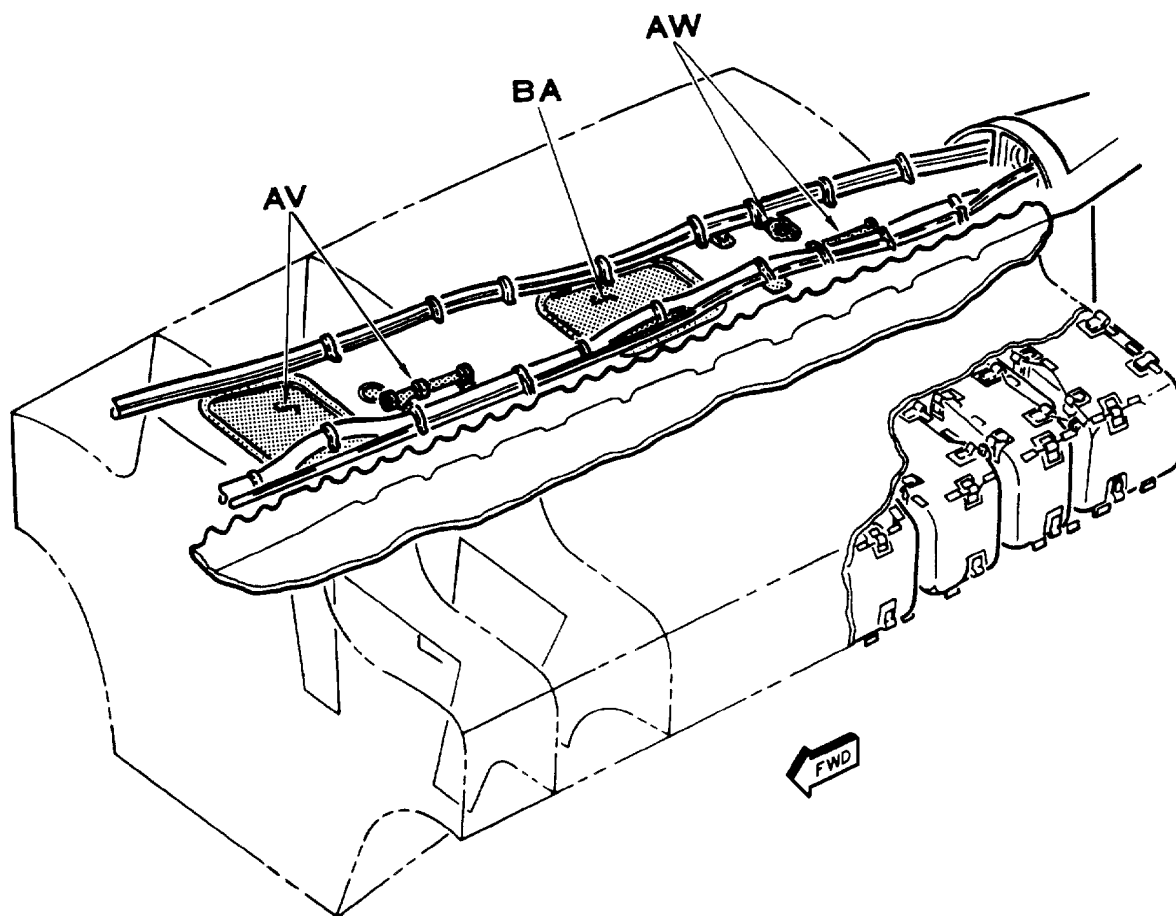
NOTE

High breakaway torque (600 to 1000 inch-pounds) can be expected when removing bulkhead retainers.

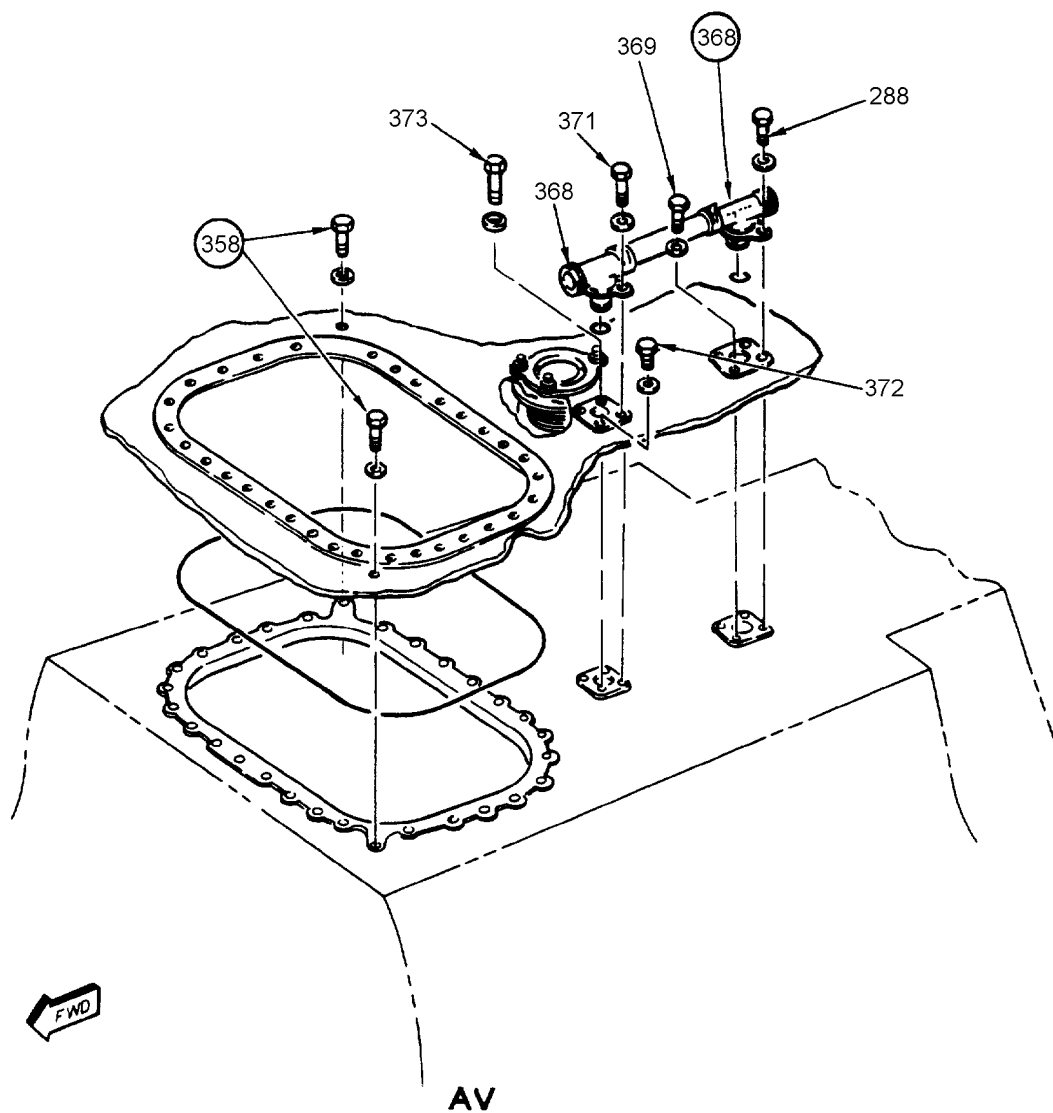
1. Remove nuts or retainers (294 and 357), adapter (355) and support (174).



19. SEQUENCE 17.

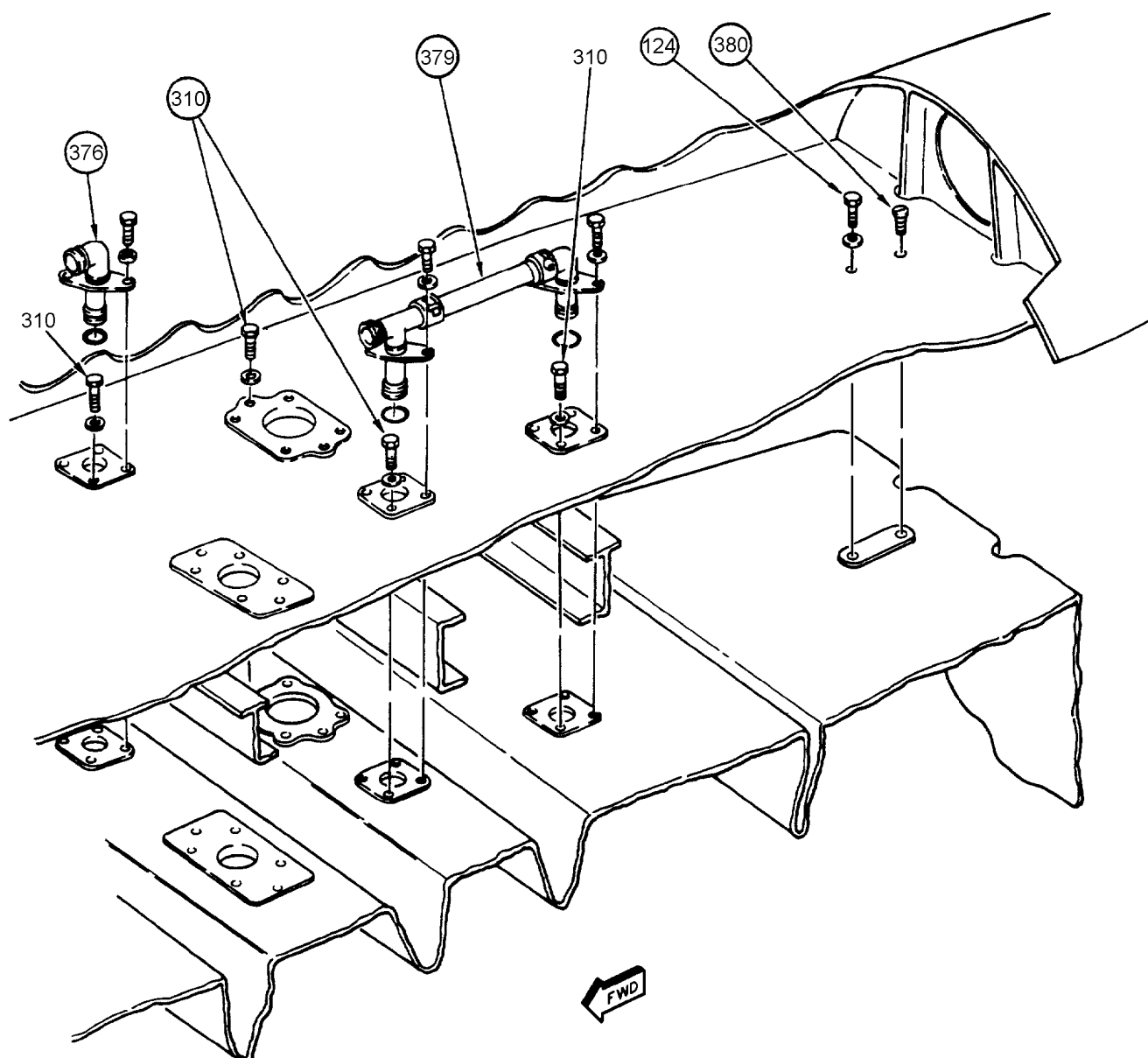


- a. Remove tees (368), bolts (288, 358, 369, 371, 372 and 373) and related parts.



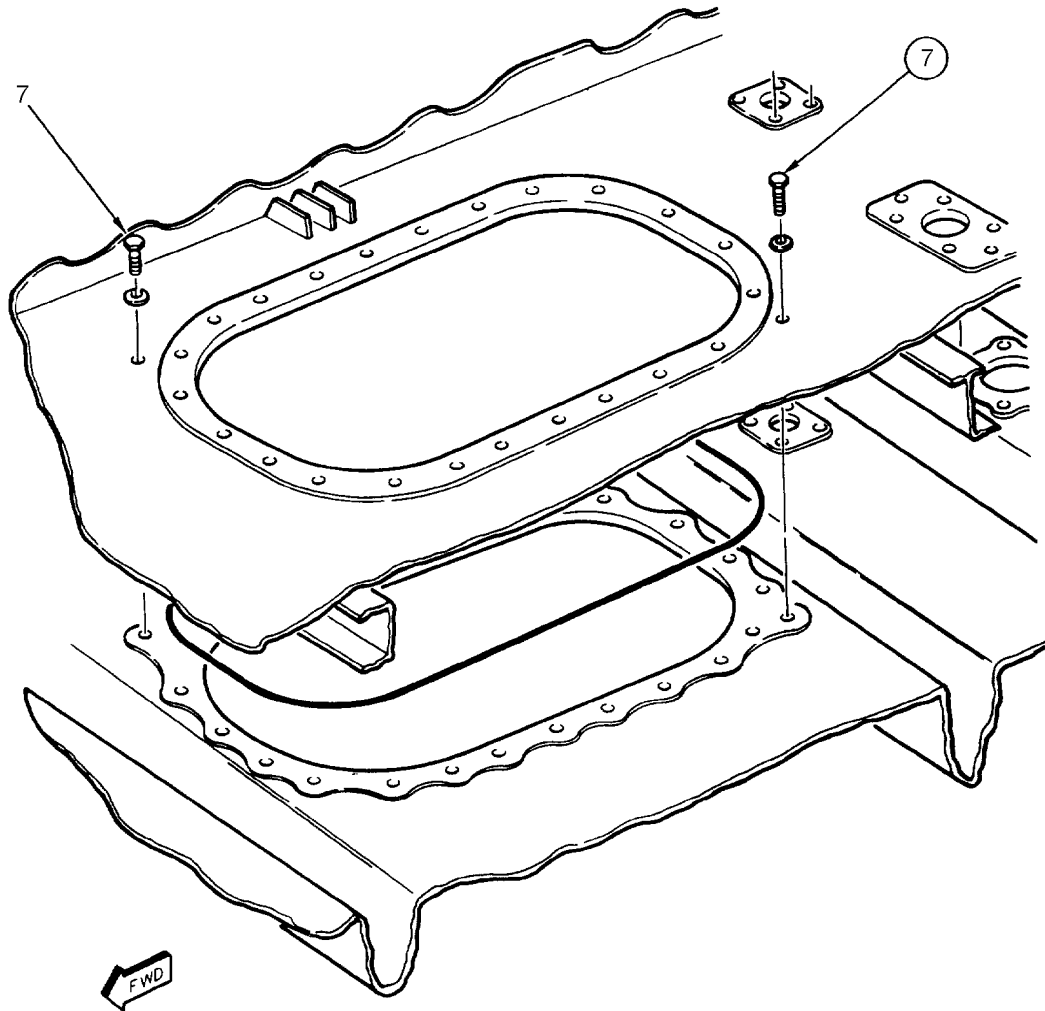
b. Remove tube (379) and elbow (376) and related parts.

c. Remove bolts (124 and 310), screw and attaching parts.



AW

- d. Remove bolts (7) and attaching parts.
- e. Remove all used packings.



BA

20. SEQUENCE 18.



To prevent damage to fuel tank, be careful when cutting lacing cords. Also be careful when lowering tank from bulkhead fittings.

- a. Apply pressure sensitive tape to threads of all protruding type bulkhead fittings.
- b. Do substeps below until all lacing cords are cut and tank is off all fittings on walls:
 - (1) Carefully cut lacing cords that are the easiest to get to.



To avoid damage to fuel tank fittings do not use pliers when removing tank from bulkhead fittings.

- (2) With hands between tank and cavity (as near as possible to bulkhead fitting), slide tank off all bulkhead fittings using fuel cell removal/installation tool set (WP009 01). If required position covers (WP009 01) or barrier material between tank fitting and bulkhead fitting.
- c. Remove protective pads from fuel tank (WP009 01).
- d. Fold and remove fuel tank (WP029 00). Make sure tank is off all bulkhead fittings.
- e. Remove all cut lacing cord, pressure sensitive tape, used packings, hardware and foreign material from tank cavity.

21. CAVITY INSPECTION. (QA)



Failure to do the steps below may result in damage to fuel tank.

- a. Inspect for and clean (WP039 00) all fittings of:
 - (1) dirt
 - (2) paint
 - (3) grease
 - (4) corrosion
 - (5) foreign material that would prevent a correct seal
- b. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
 - (6) damage that would cause mismatching or prevent a correct seal
- c. Inspect for and replace (WP029 01) all foam that is:
 - (1) loose
 - (2) damaged
 - (3) fuel soaked (fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00).
 - (4) missing

d. At Y518.00, inspect and replace (WP029 01) any foam that is discolored or distorted from excessive heat.

e. If foam at Y518.00 is damaged from excessive heat, rewrap hydraulic lines in Y518.00 bulkhead (A1-F18AC-PIM-000).

f. Inspect for and replace (WP039 00) all pressure sensitive tape that is damaged, loose or does not cover:

(1) rivet collars

(2) nuts

(3) bolts

(4) bucked head of rivets

(5) lap joints with a thickness of 0.126 inch or more

(6) sharp or rough areas of backing boards

(7) sharp edges that could chafe tank

g. Inspect for and replace (WP036 01) thermal insulation blankets that are:

(1) damaged

(2) loose

(3) fuel soaked

h. Inspect for and replace lacing clips that are:

(1) damaged

(2) loose

(3) missing

i. Inspect complete cavity for:

(1) burrs, sharp edges or protrusions that would chafe tank

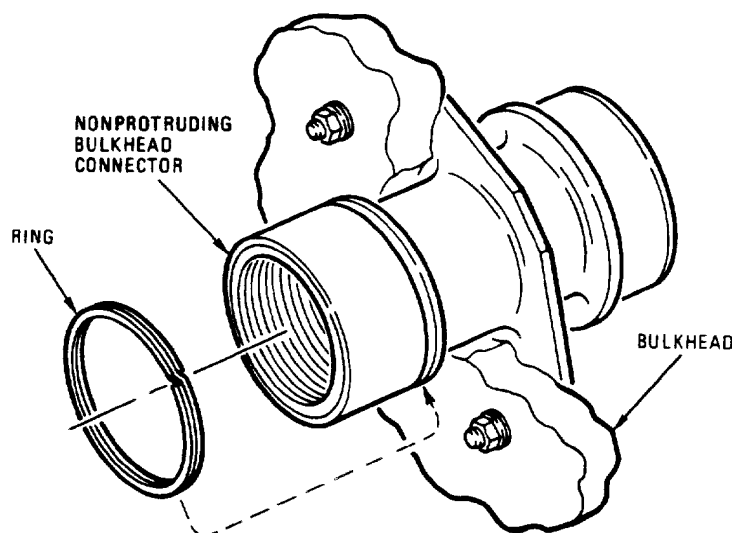
(2) cleanliness

(3) corrosion

NOTE

Bulkhead connectors have ring on one side only, opposite side has fixed flange.

j. Inspect applicable nonprotruding bulkhead connectors and replace (WP043 00) missing or damaged rings.



ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
INSTALLATION - NO. 4 FUEL TANK (5CAP520)
FUEL STORAGE SYSTEM

Reference Material

Plane Captain Manual	A1-F18AC-PCM-000
Line Maintenance Procedures	A1-F18AC-LMM-000
Fuel System	A1-F18AC-460-200
Internal Fuel Transfer, Engine Fuel Supply Systems	WP012 00
Engine Fuel Shutoff Valve Test	WP012 07
Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB -No. 4 Fuel Tank	WP028 00
No. 4 Fuel Tank Forward Access Cover	WP007 00
No. 4 Fuel Tank Aft Access Cover	WP008 00
No. 4 Fuel Tank Inspection and Folding	WP029 00
No. 4 Fuel Tank Lacing	WP030 00
No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports	WP043 00
Fuel Dump Valve	WP141 00
Environmental Control Systems	A1-F18AC-410-300
Bleed Air Aft Dorsal Duct Assembly	WP013 00
Bleed Air Forward Dorsal Duct Assembly	WP011 00

Alphabetical Index

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Jul 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve, and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of (ECP MDA-F/A-18-00084R1)	1 Jun 84	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	Torque Wrench, 0 to 60 Inch-Pounds
-	Torque Wrench, 0 to 600 Inch-Pounds
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/Installation Tool Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set
6230-00-270-5419	Electric, General Purpose, Explosion Proof Lantern

Materials Required

Specification or Part Number	Nomenclature
VV-P-236 (CAGE 81348)	Petrolatum, Technical
MS20996NC32 (CAGE 96906)	Lockwire
74K580004-1007 CAGE 76301	Preformed Packing Assortment

Materials Required (Cont)

Specification or Part Number	Nomenclature
474 (CAGE 26066)	Tape, Pressure Sensitive
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-S-8802, TYPE 2, Class A1/2 (CAGE 81349)	Sealing Compound
MIL-T-43435, TYPE-2 SIZE-3 FINISH-C (CAGE 81348)	Lacing Tape
TT-I-735 (CAGE 81348)	Isopropyl Alcohol

1. GENERAL.**NOTE**

For complete group assembly parts list, see
no. 4 fuel tank IPB (WP028 00).

Index numbers used to tag components during
removal are circled on artwork of procedure to
aid in reassembly.

a. Do or observe fuel tank maintenance precau-
tions (WP013 00).

WARNING

If nonprotruding bulkhead connector retaining
rings are damaged or missing, fuel leaks can
occur resulting in fire hazard.

NOTE

Nonprotruding bulkhead connectors have a
retaining ring on one side only, opposite side
has fixed flange.

b. Inspect applicable nonprotruding bulkhead con-
nectors and replace (WP043 00) missing or damaged
retaining rings.

c. Apply pressure sensitive tape to all protruding type fittings inside cavity.

NOTE

Tie start knot of all lacing cords at first cavity lacing bracket before installing fuel tank to ease lacing procedure.

d. Do no. 4 fuel tank folding procedure (WP029 00).

e. After positioning tank in cavity, remove pressure sensitive tape from cavity fittings.



Petrolatum, Technical, VV-P-236

1

f. Lubricate new packings with petrolatum before installation.

g. For alignment and spacing of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on procedure. (QA)

i. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)

(1) Specific torque callouts.

(2) Items safeties with lockwire.

(3) Foreign objects removed.

(4) Coupling condition and security.

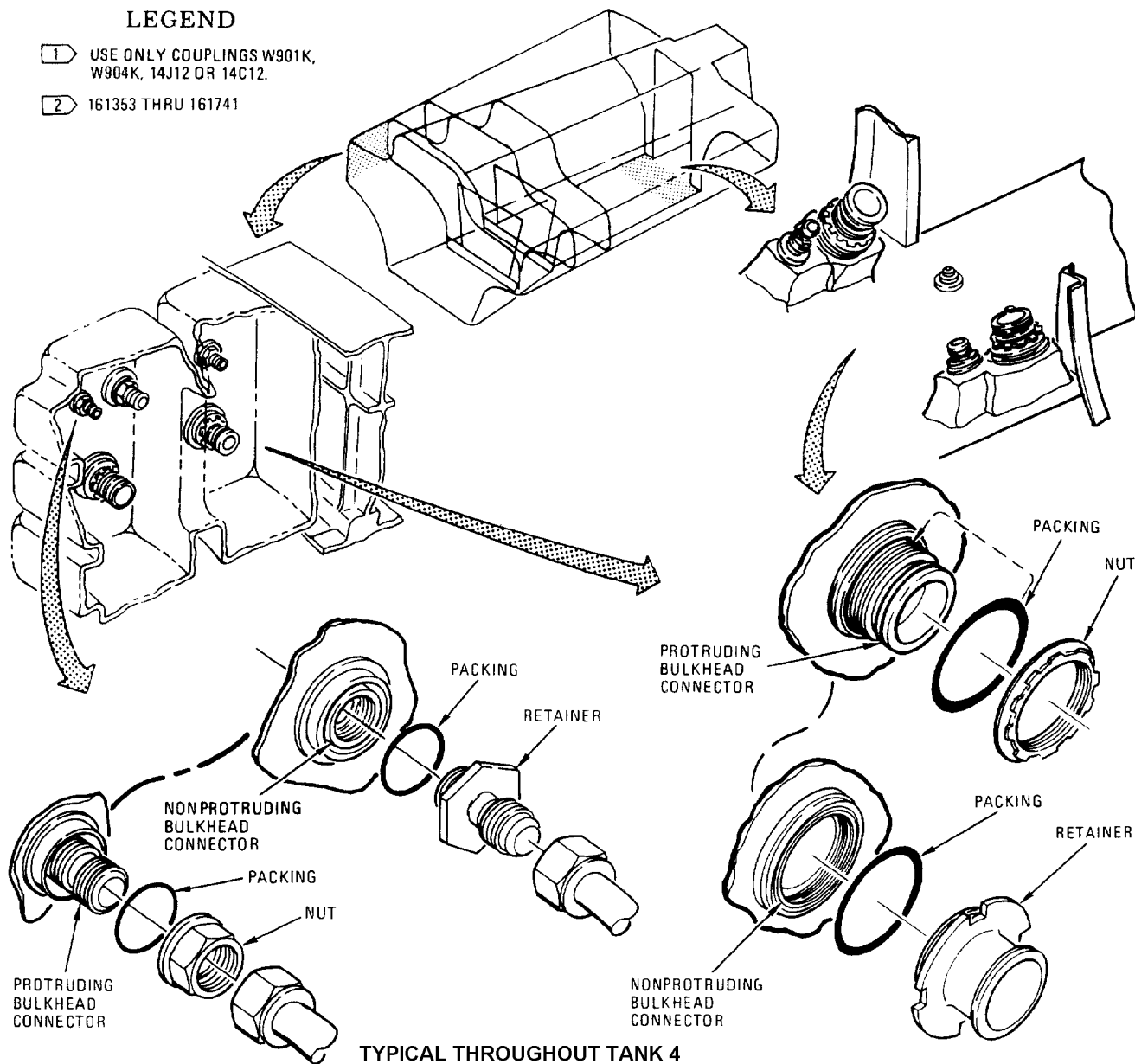
(5) Tube/line condition and security, and torque if printed on tube/line.

(6) Fuel tank (bladder) condition.

j. Aircraft may have protruding or nonprotruding type bulkhead connectors, both of which are shown below with related parts.

LEGEND

- 1 USE ONLY COUPLINGS W901K, W904K, 14J12 OR 14C12.
- 2 161353 THRU 161741



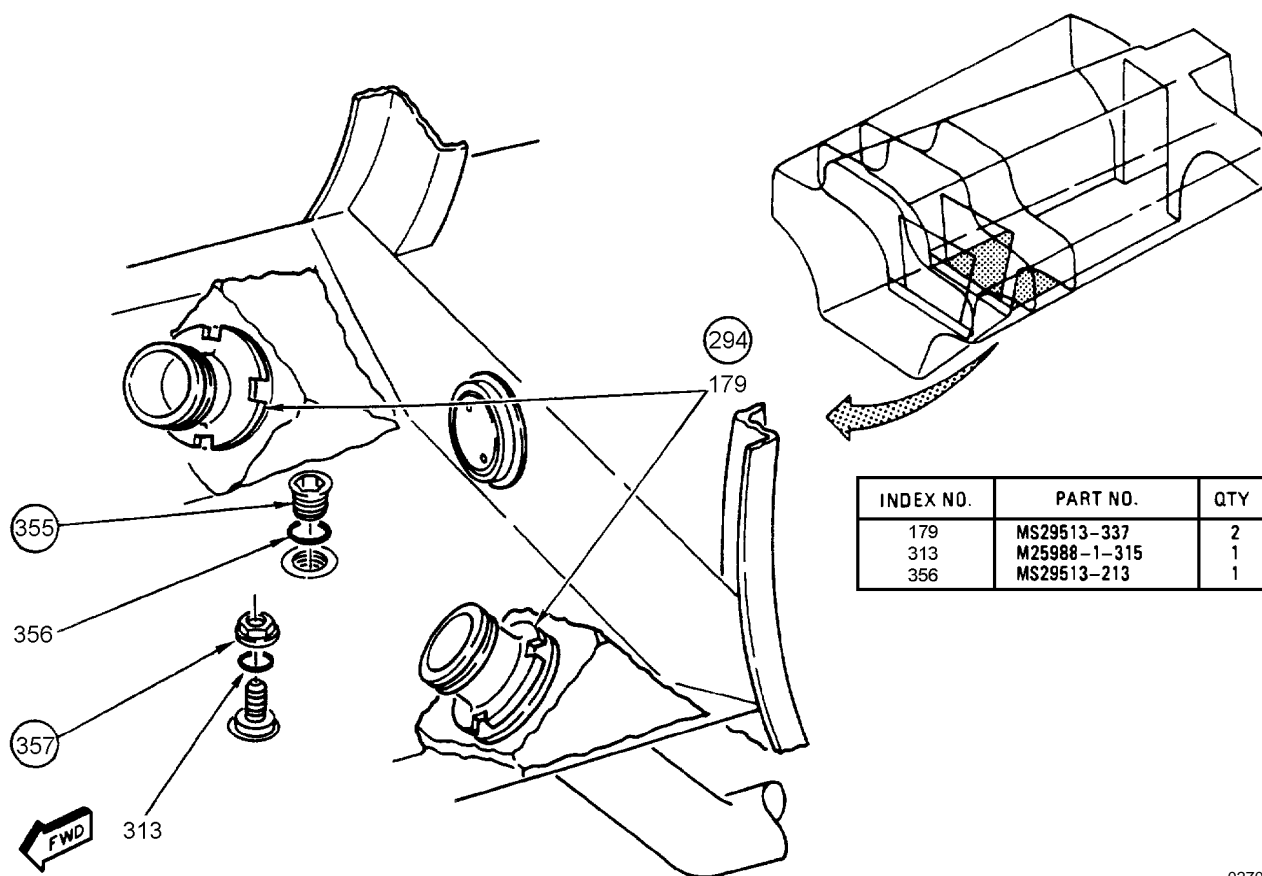
2. INSTALLATION.

3. SEQUENCE 1.

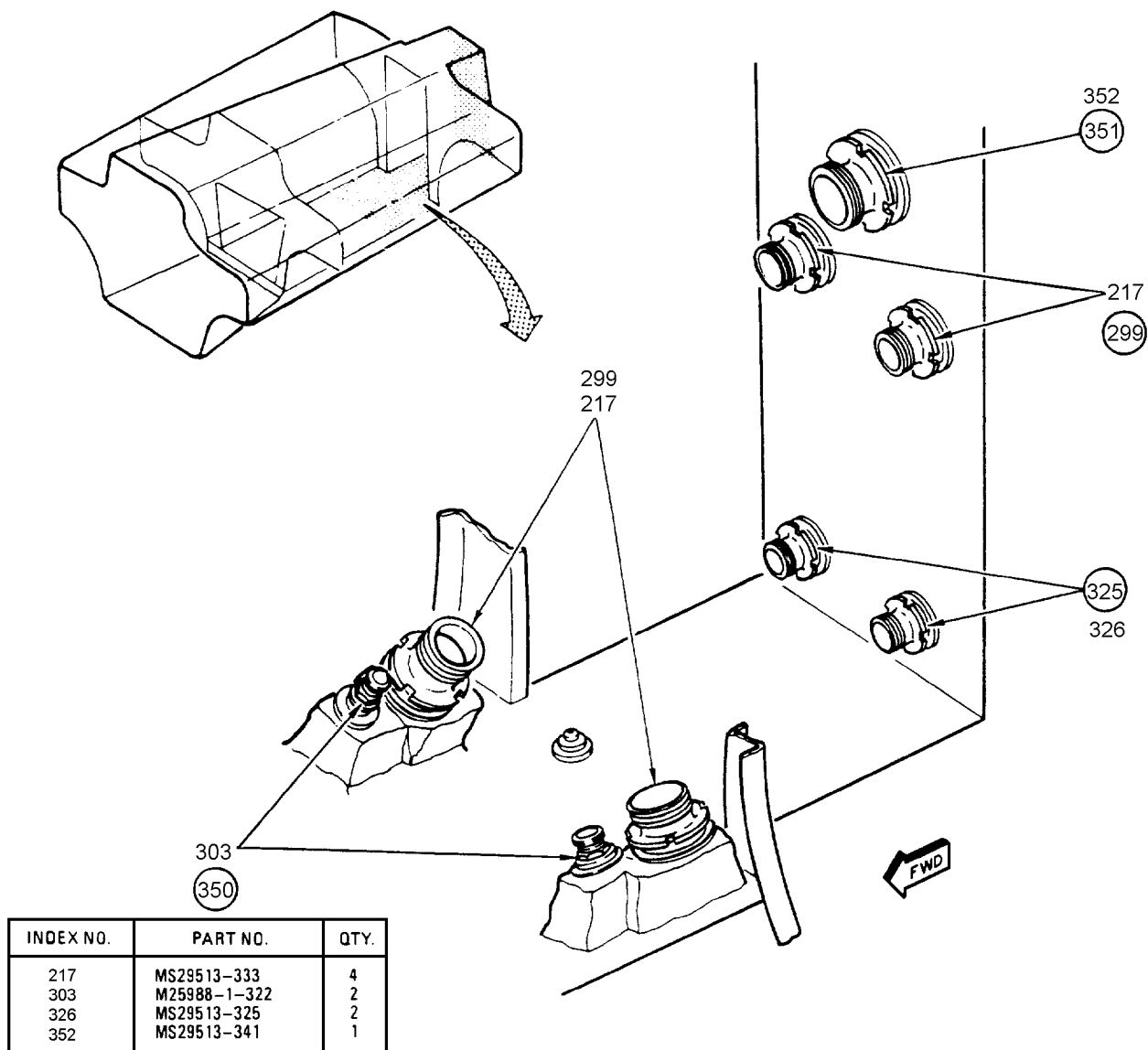
a. Install packings (179) and nuts or retainers (294) and verify running torque and final torque (WP013 00). (QA)

b. Install packings (313 and 356), nut or retainer (357) and adapter (355) and verify running torque and final torque (WP013 00) (QA).

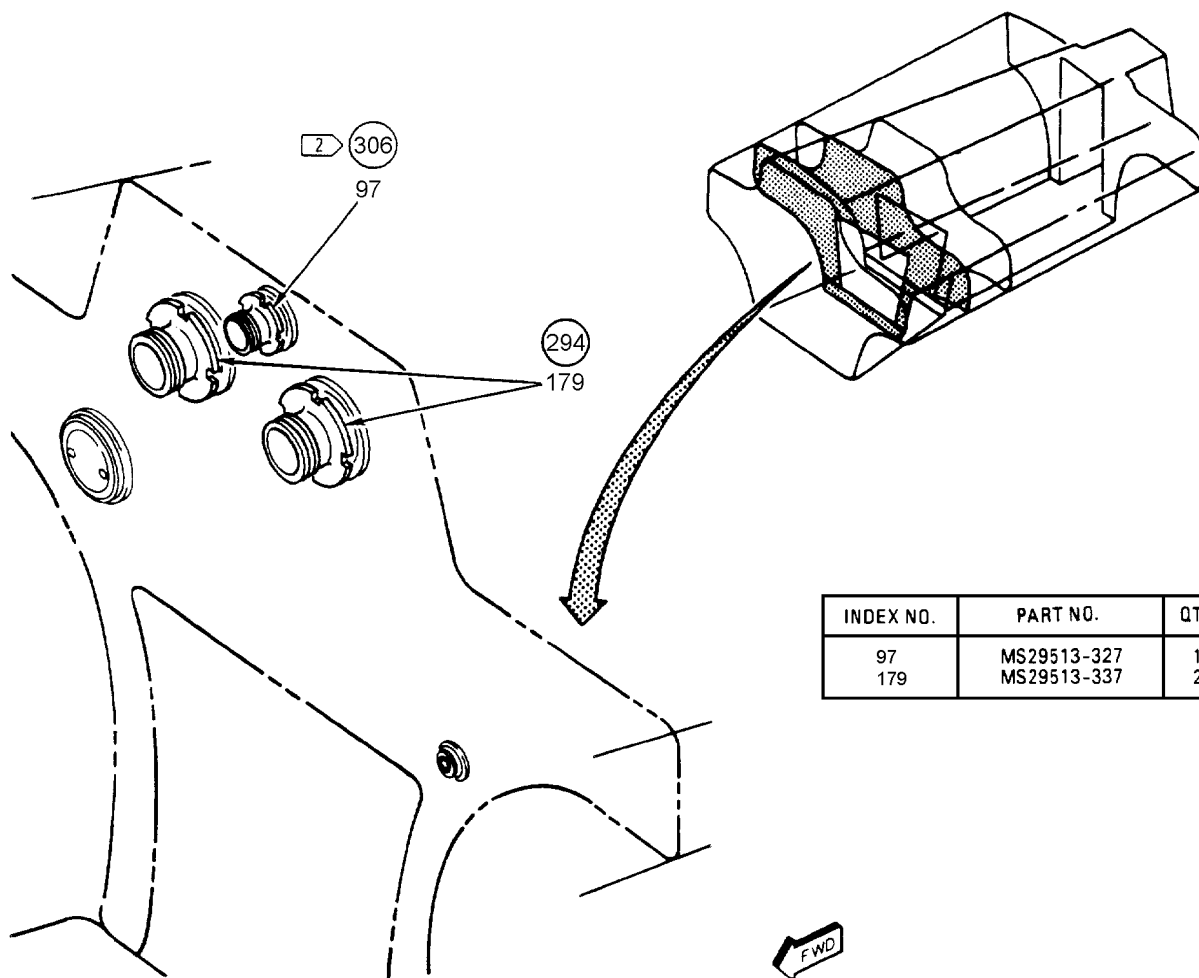
c. Lace fuel tank (WP030 00).



d. Install packings (217, 326, 303 and 352) and nuts or retainers (299, 325, 350 and 351) and verify running torque and final torque (WP013 00). (QA)



e. Install packings (97 and 179) and nuts or retainers (294 and 306) and verify running torque and final torque (WP013 00). (QA)



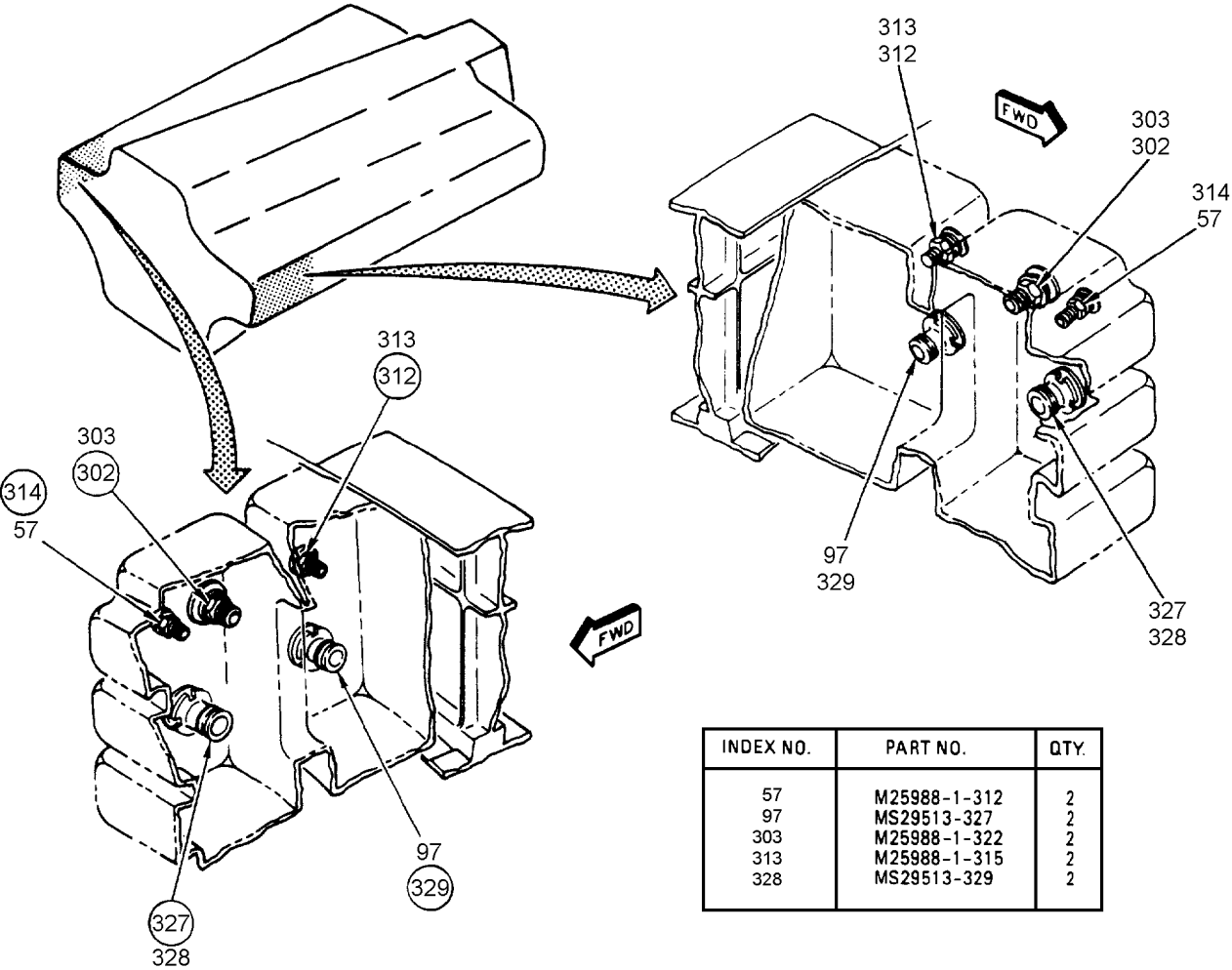
f. Install packings (97, 303 and 328) and nuts or retainers (302, 327 and 329) and verify running torque and final torque (WP013 00). (QA)



Do not overtorque and/or reverse retainers (312 and 314). Overtorquing can shear retainers, cause leaks and damage tank.

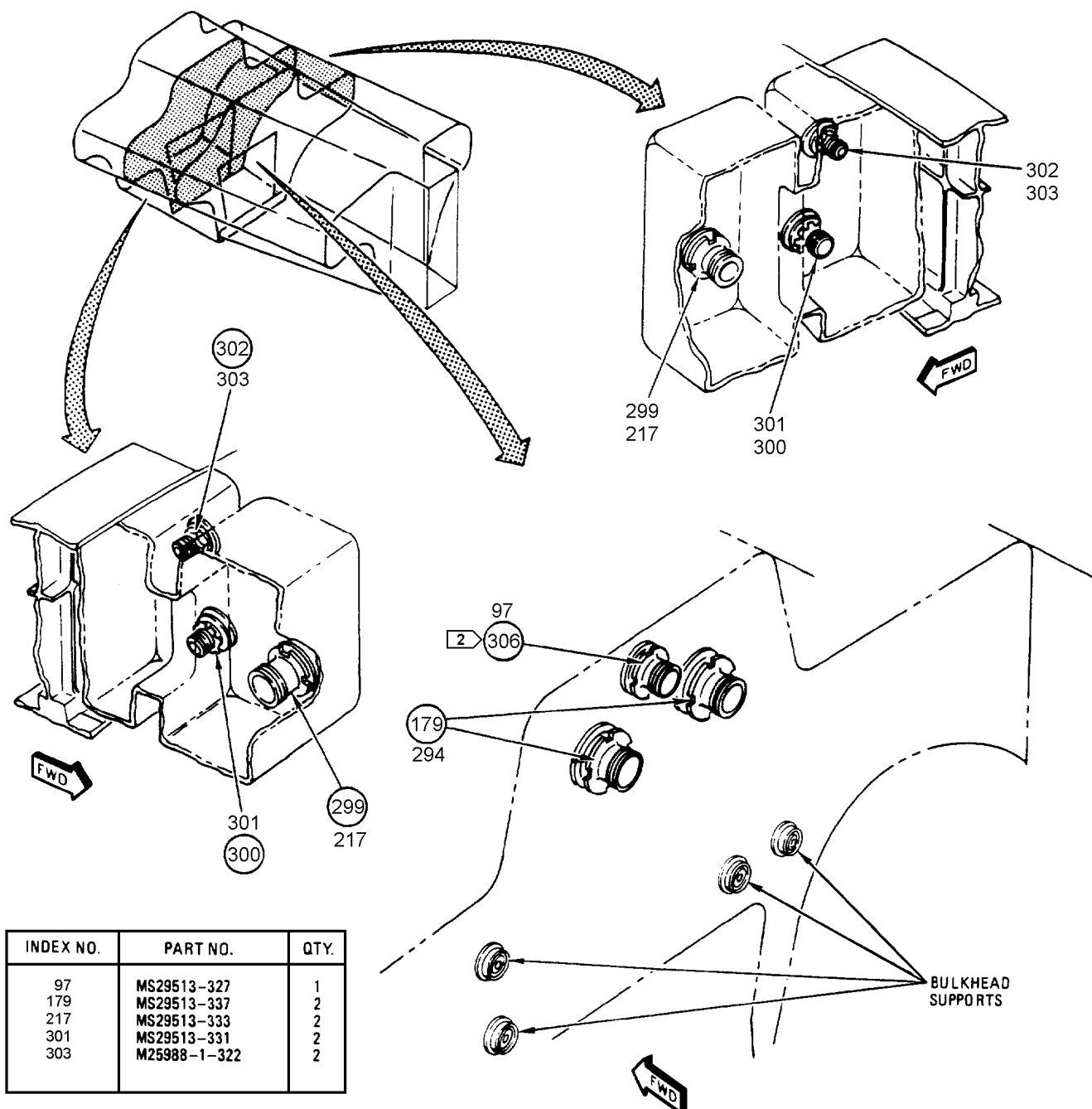
g. Install packings (313) with nut or retainer (312) and packing (57) with nut or retainer (314) and verify running torque and final torque (WP013 00). (QA) If part number is not visible on retainer, measure across flats of hex nut. 74A585759 retainer (314) is 1.25 inches and 74A585760 retainer (312) is 1.375 inches.

h. If retainers (312 and 314) are inadvertently reversed be careful in removing to prevent shearing. Retainers must then be carefully inspected for cracks.



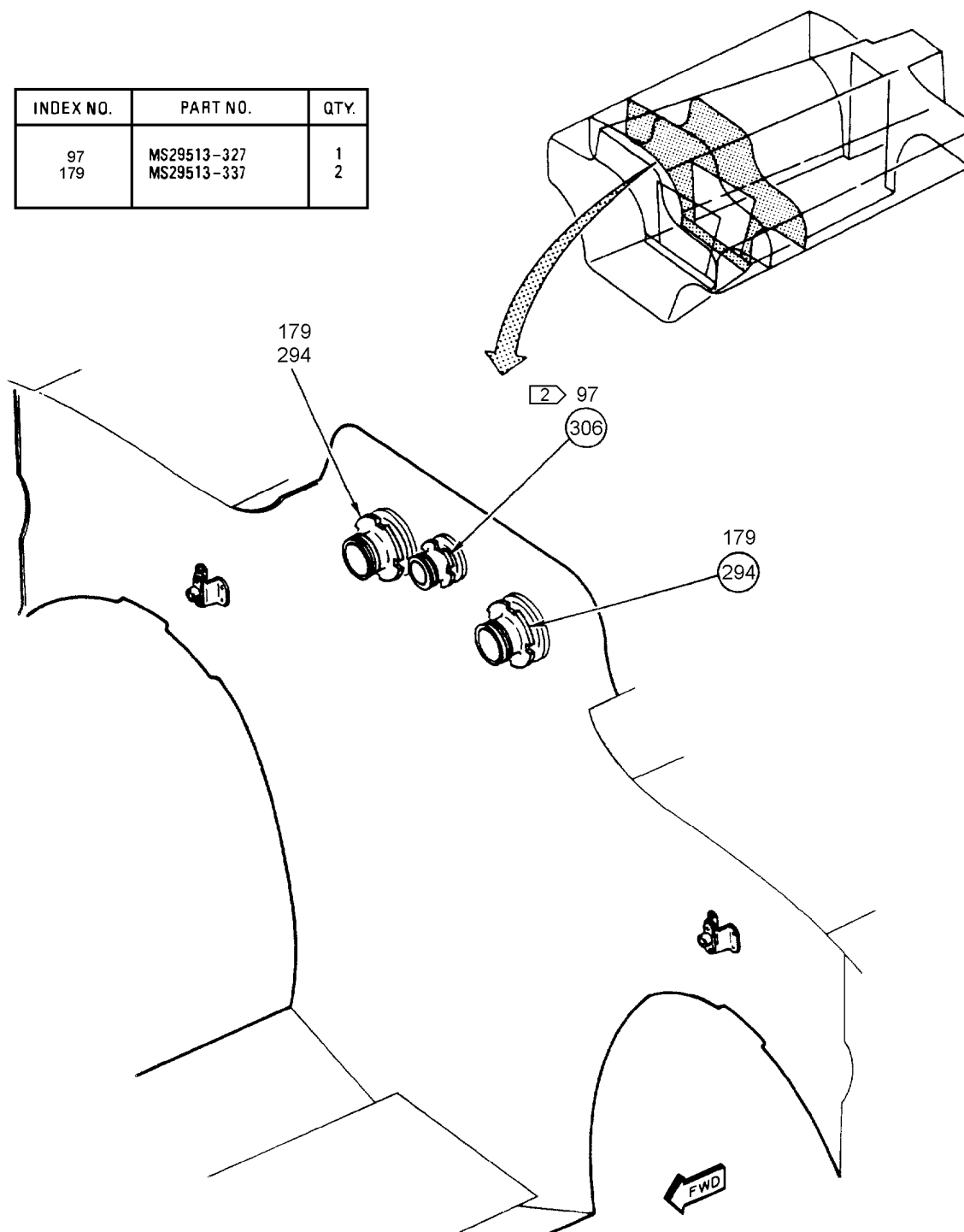
INDEX NO.	PART NO.	QTY.
57	M25988-1-312	2
97	MS29513-327	2
303	M25988-1-322	2
313	M25988-1-315	2
328	MS29513-329	2

i. Install packings (97, 179, 217, 301 and 303) and nuts or retainers (294, 299, 300, 302 and 306) and verify running torque and final torque (WP013 00). (QA)

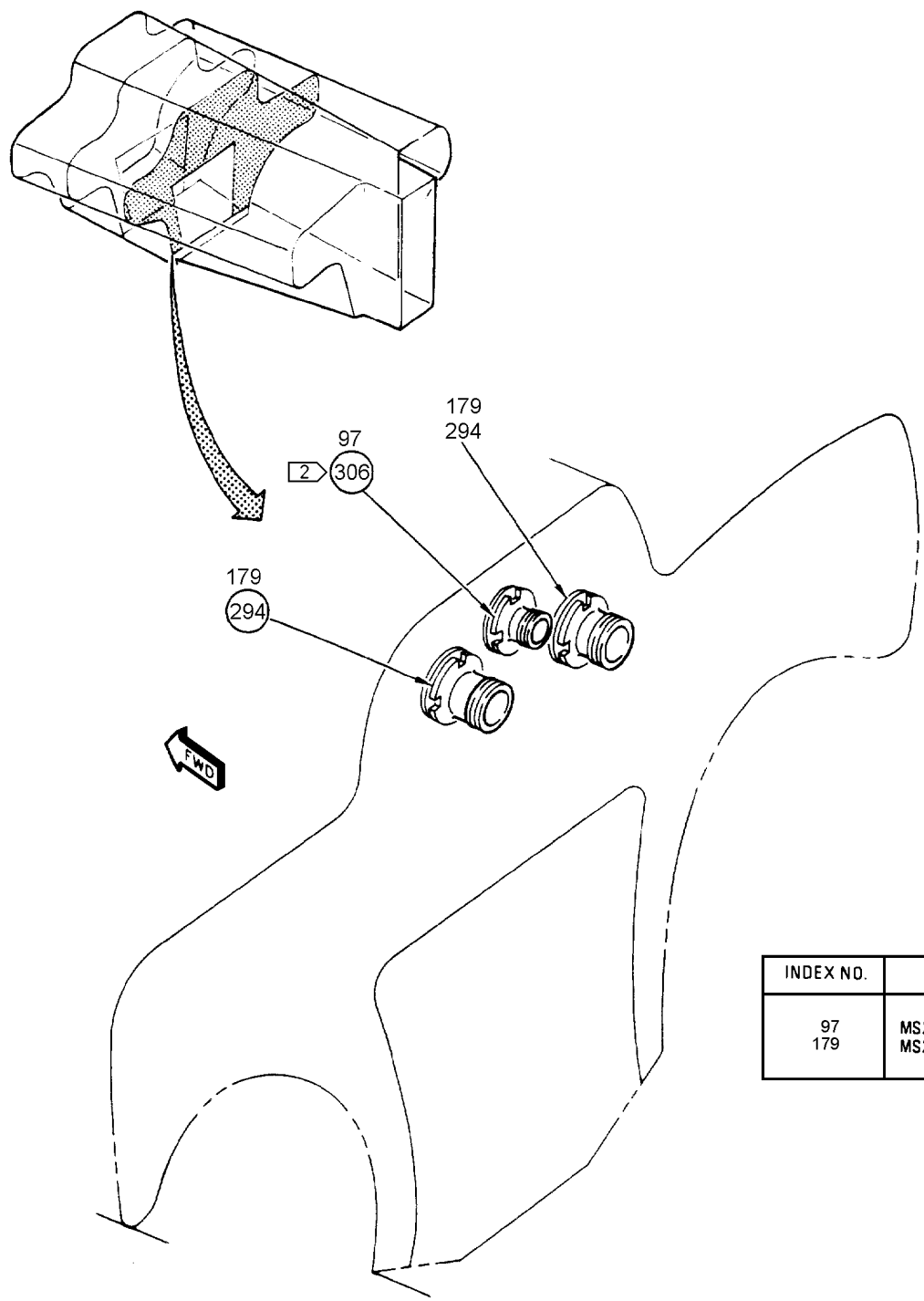


j. Install packings (97 and 179) and nuts or retainers (294 and 306) and verify running torque and final torque (WP013 00). (QA)

INDEX NO.	PART NO.	QTY.
97	MS29513-327	1
179	MS29513-337	2



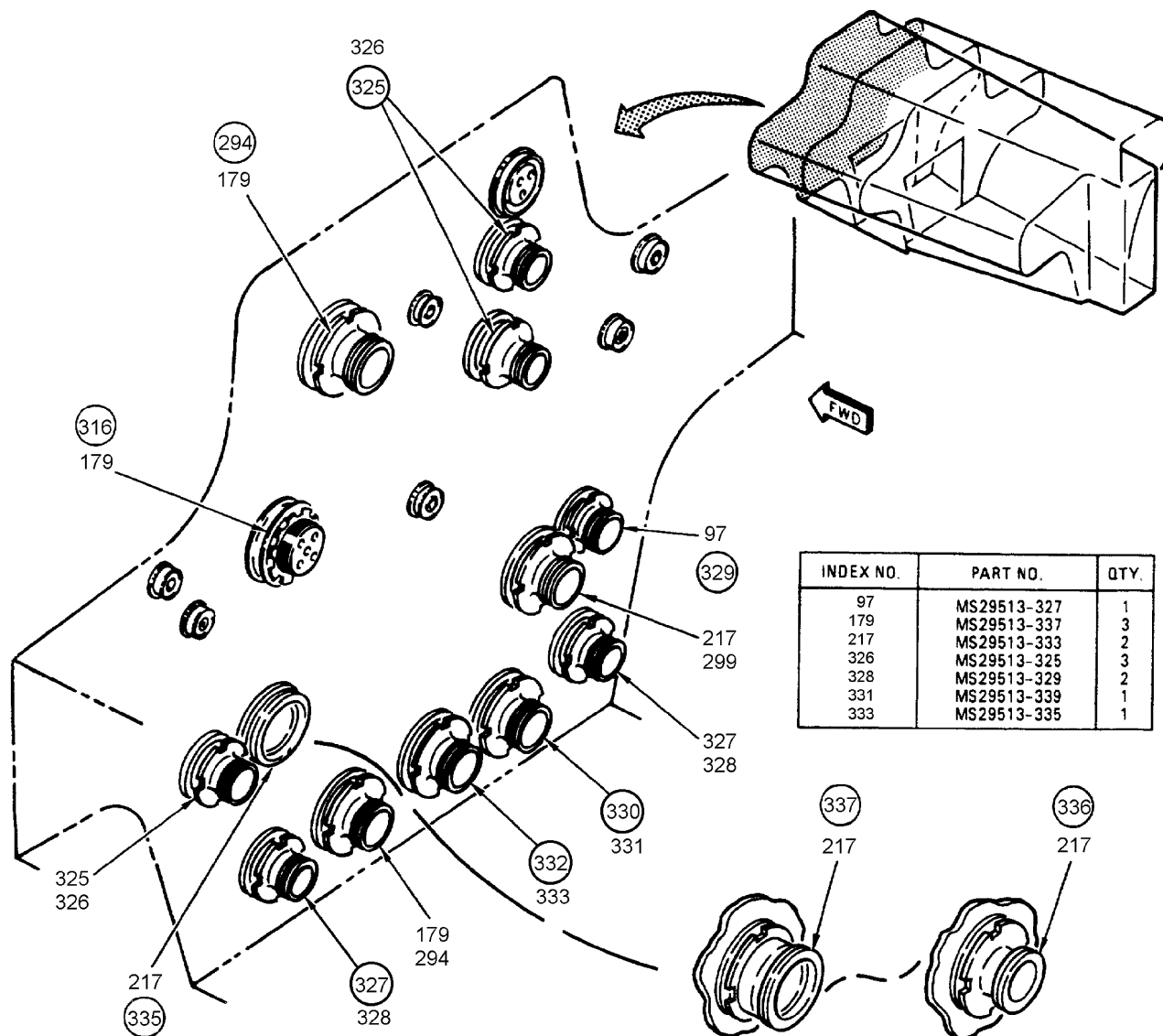
k. Install packings (97 and 179) and nuts or retainers (294 and 306) and verify running torque and final torque (WP013 00). (QA)



INDEX NO.	PART NO.	QTY.
97	MS29513-327	1
179	MS29513-337	2

l. Prepare mating surfaces of bulkhead connectors and retainers (327 and 330) for electrical bond (A1-F18AC-LMM-000).

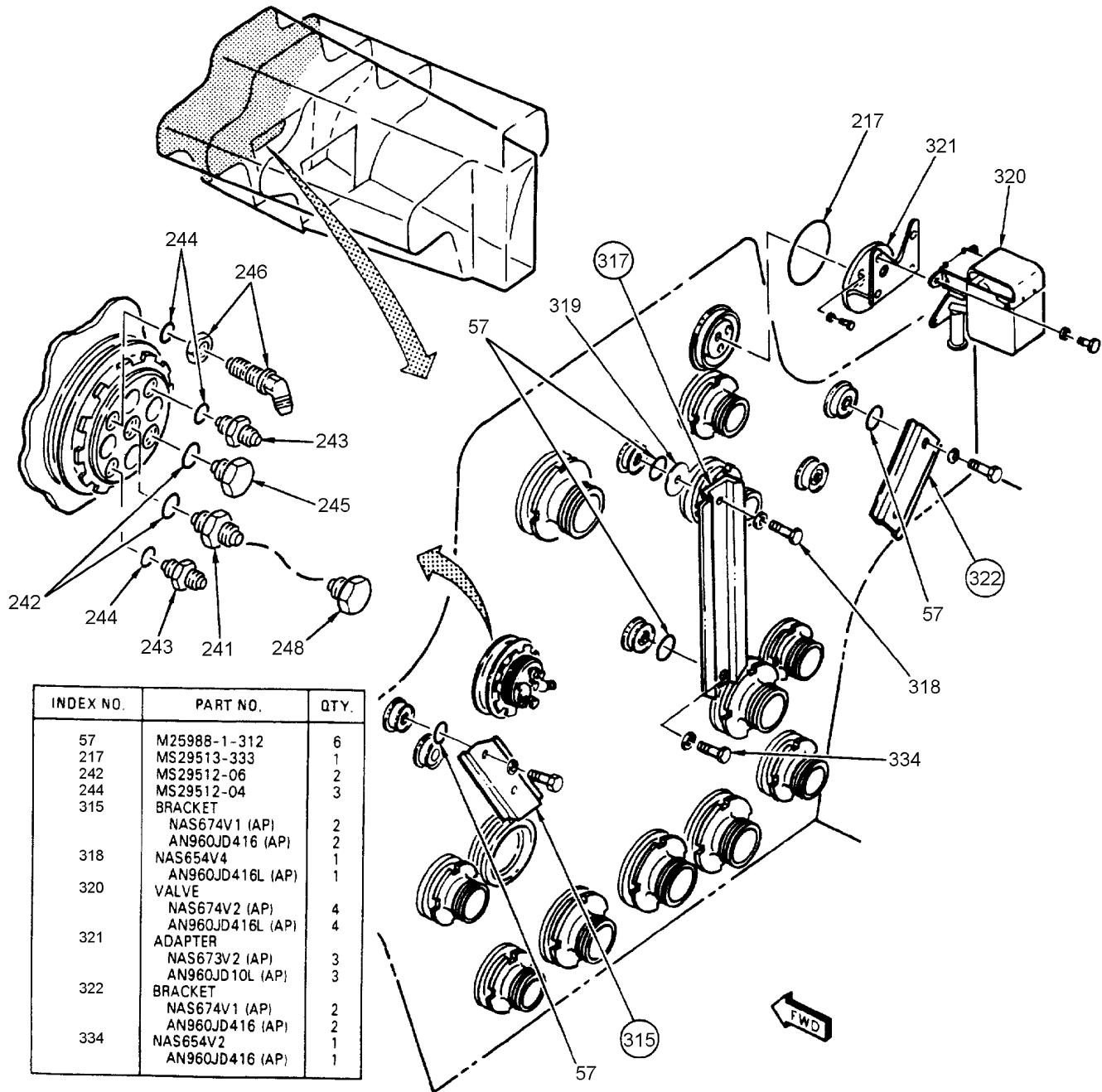
m. Install packings (97, 179, 217, 326, 328, 331 and 333) and nuts or retainers (294, 299, 316, 325, 327, 329, 330, 335, 336, and 337) and verify running torque and final torque (WP013 00). (QA)



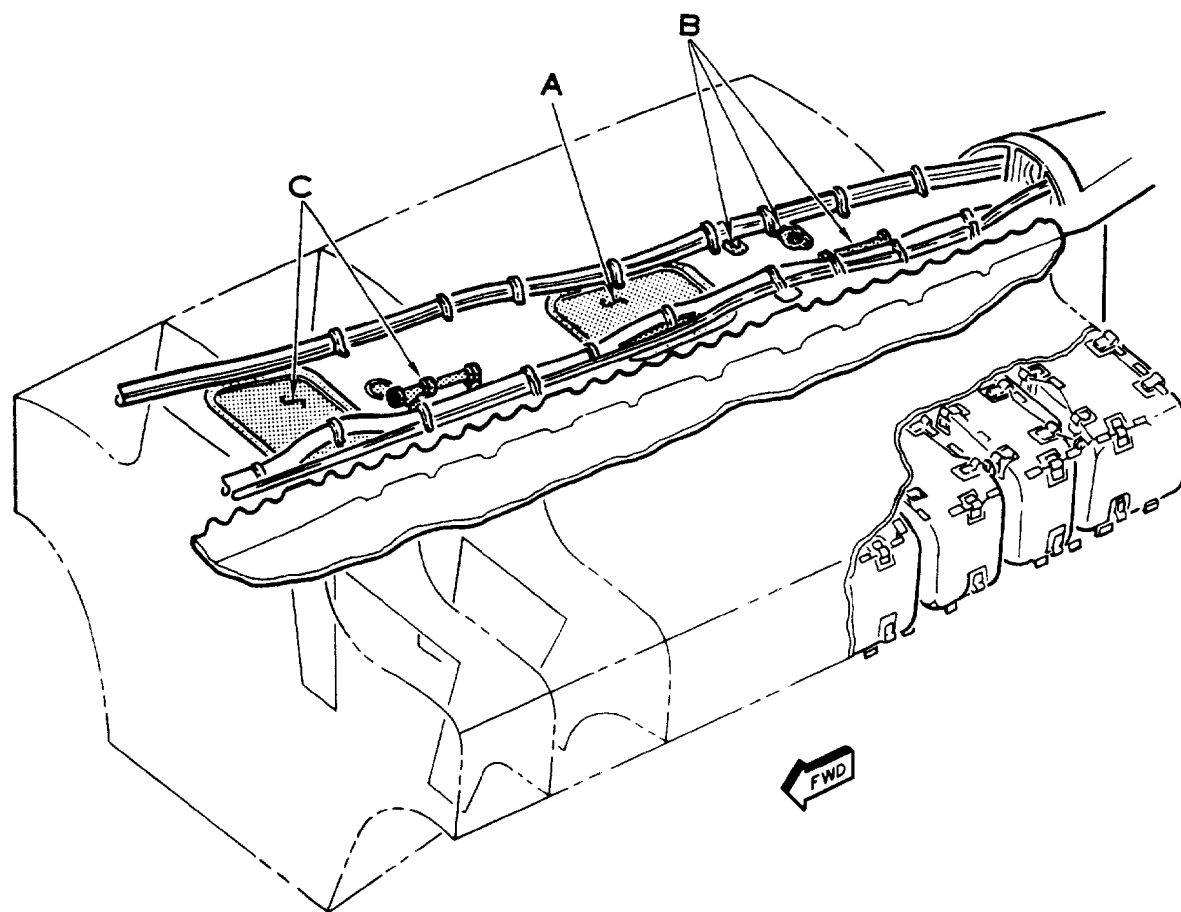
n. Install packings (242 and 244), nipples (243), plug (245), elbow (246) with nut and reducer (241) or plug (248).

o. Prepare mating surfaces of adapter (321), valve (320), brackets (315, 317 and 322) and spacer (319)

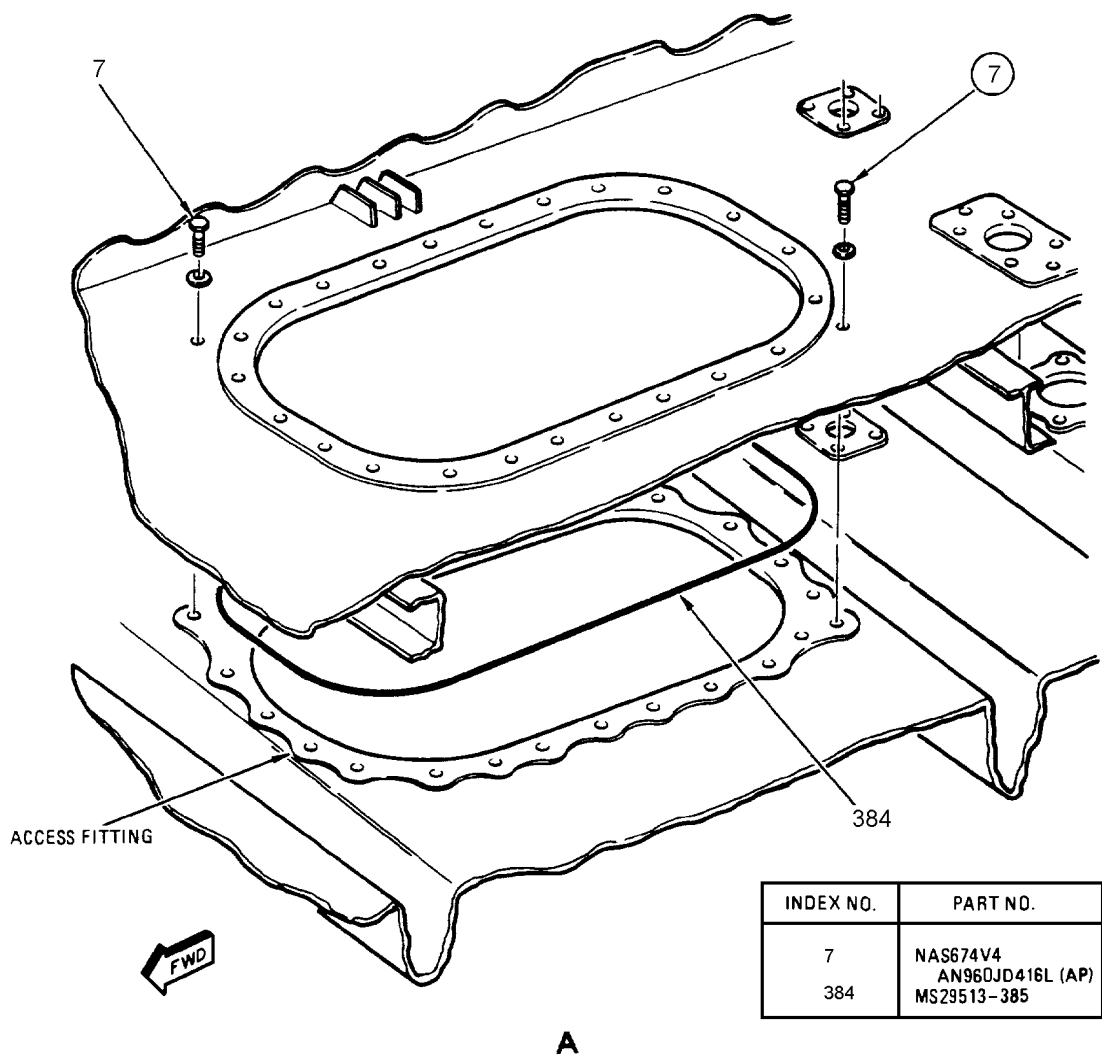
for electrical bond (A1-F18AC-LMM-000) then install packings (57 and 217), adapter (321), valve (320), spacer (319), brackets (315, 317 and 322), and attaching parts. Seal brackets (315 and 322) and adapter (321) bolt threads, and bolt (318 and 334) thread per (WP013 00). (QA)



4. SEQUENCE 2.



- a. Prepare mating surfaces of access fitting and structure for electrical bond (A1-F18AC-LMM-000).
- b. Make sure mating surfaces of access fitting and structure are clean.
- c. Install packing (384) and bolts (7) and washers.

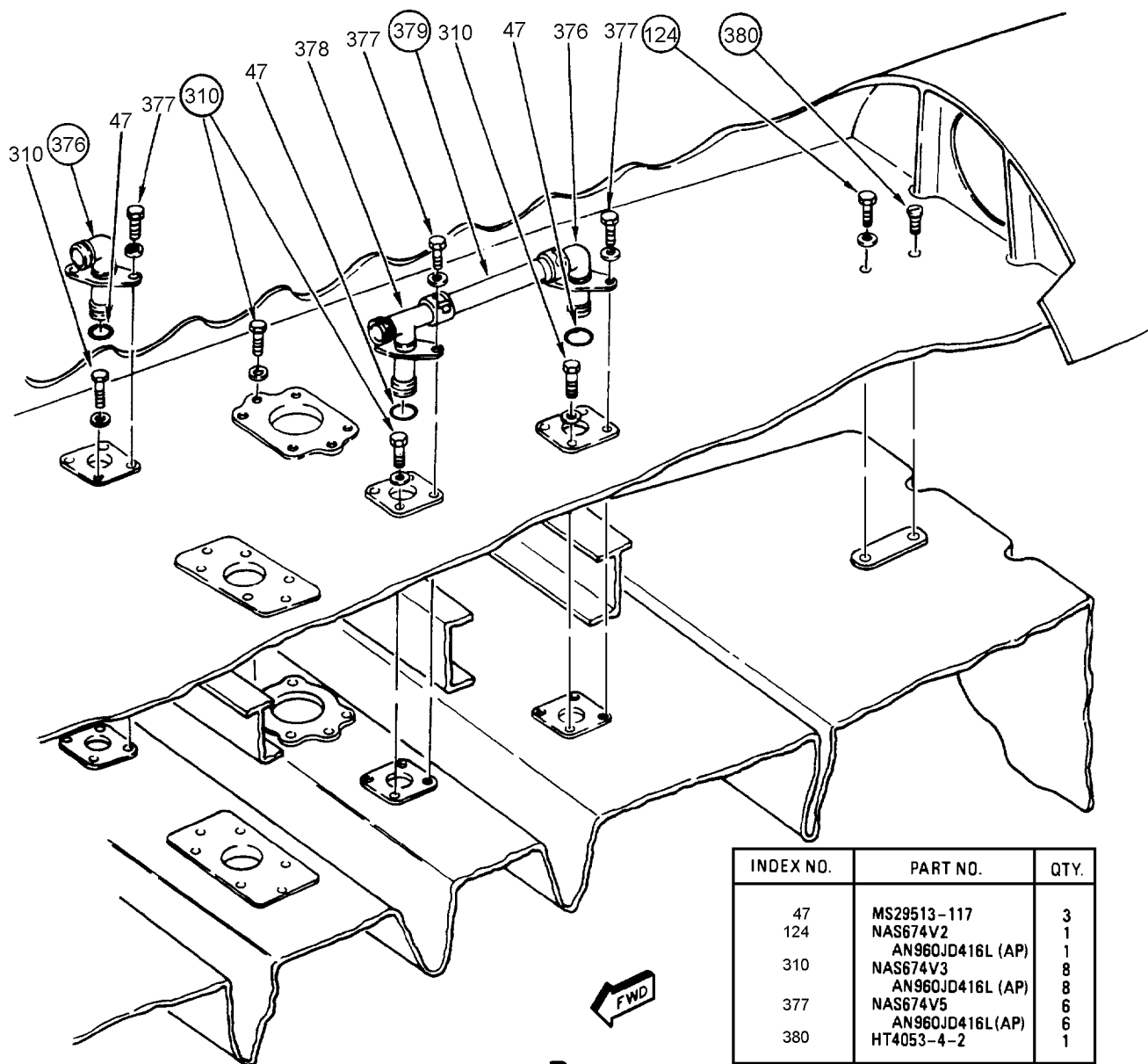


INDEX NO.	PART NO.	QTY.
7	NAS674V4	2
	AN960JD416L (AP)	2
384	MS29513-385	1

d. Install bolts (310) and washers.

e. Prepare mating surfaces of elbows (376), tee (378) and structure for electrical bond (A1-F18AC-LMM-000). Install packings (47), tee (378), tube (379) and elbows (376).

f. Install bolts (124 and 377) and washer and screw (380).



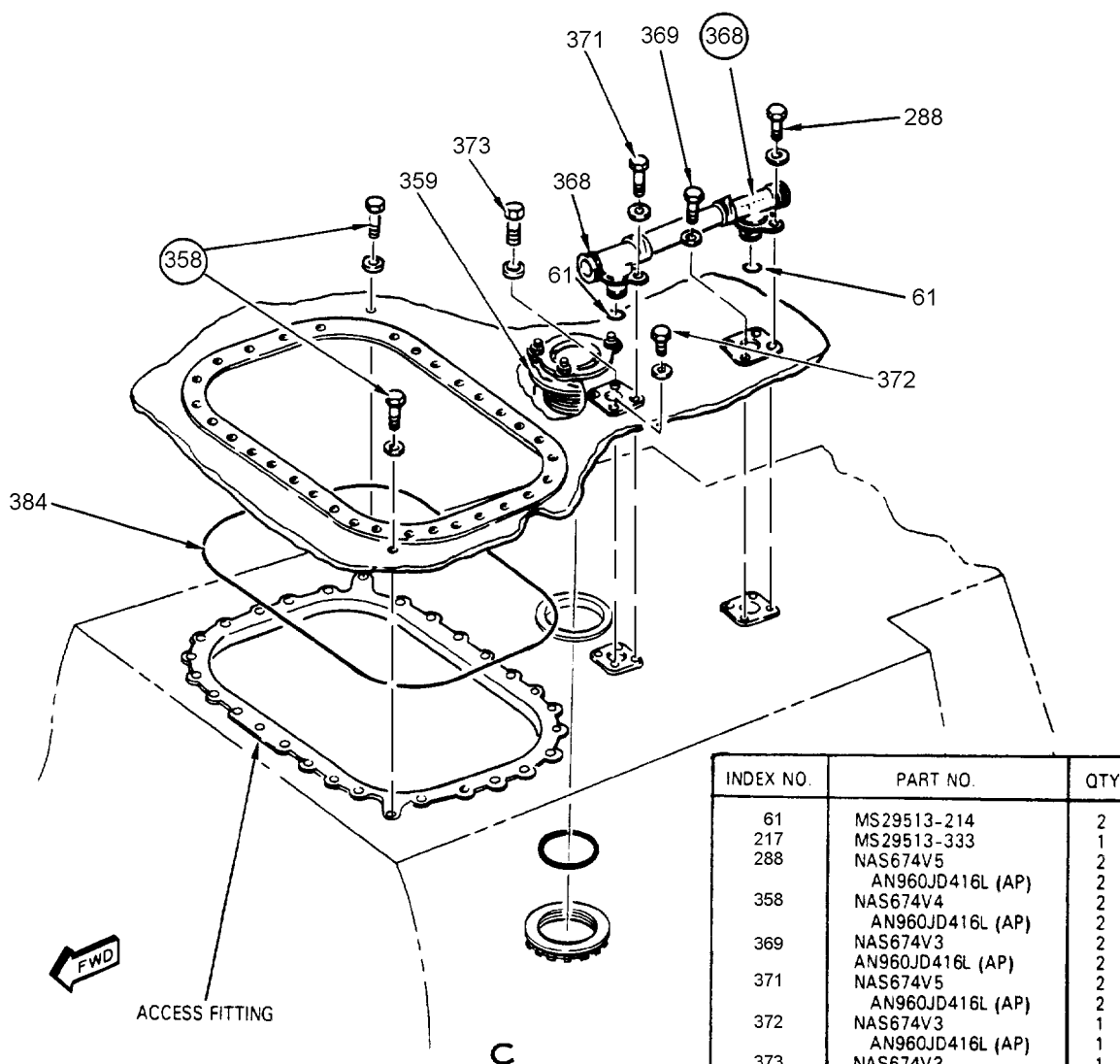
INDEX NO.	PART NO.	QTY.
47	MS29513-117	3
124	NAS674V2	1
	AN960JD416L (AP)	1
310	NAS674V3	8
	AN960JD416L (AP)	8
377	NAS674V5	6
	AN960JD416L (AP)	6
380	HT4053-4-2	1

g. Install packing (217), nut (295) and verify running torque and final torque (WP013 00). (QA)

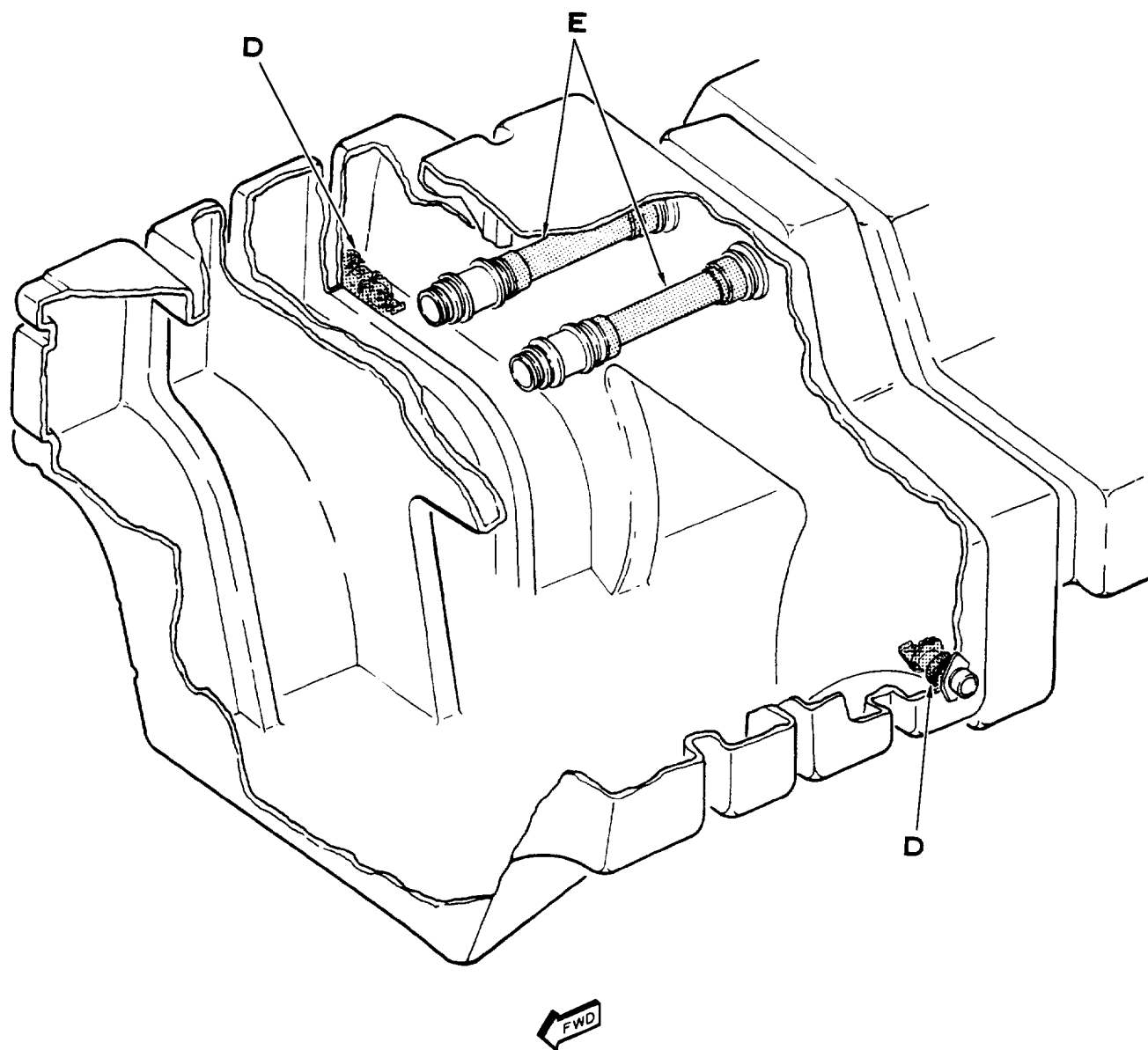
h. Prepare mating surfaces of tees (368), access fitting and structure for electrical bond (A1-F18AC-LMM-000). Install packings (61), tees (368), bolts (288, 369, 371 and 372) and washers.

i. On 161353 THRU 163145, install bolt (373) and attaching parts.

j. Make sure mating surfaces of access fitting and structure are clean. Install packings (384), and bolts (358) and washers.

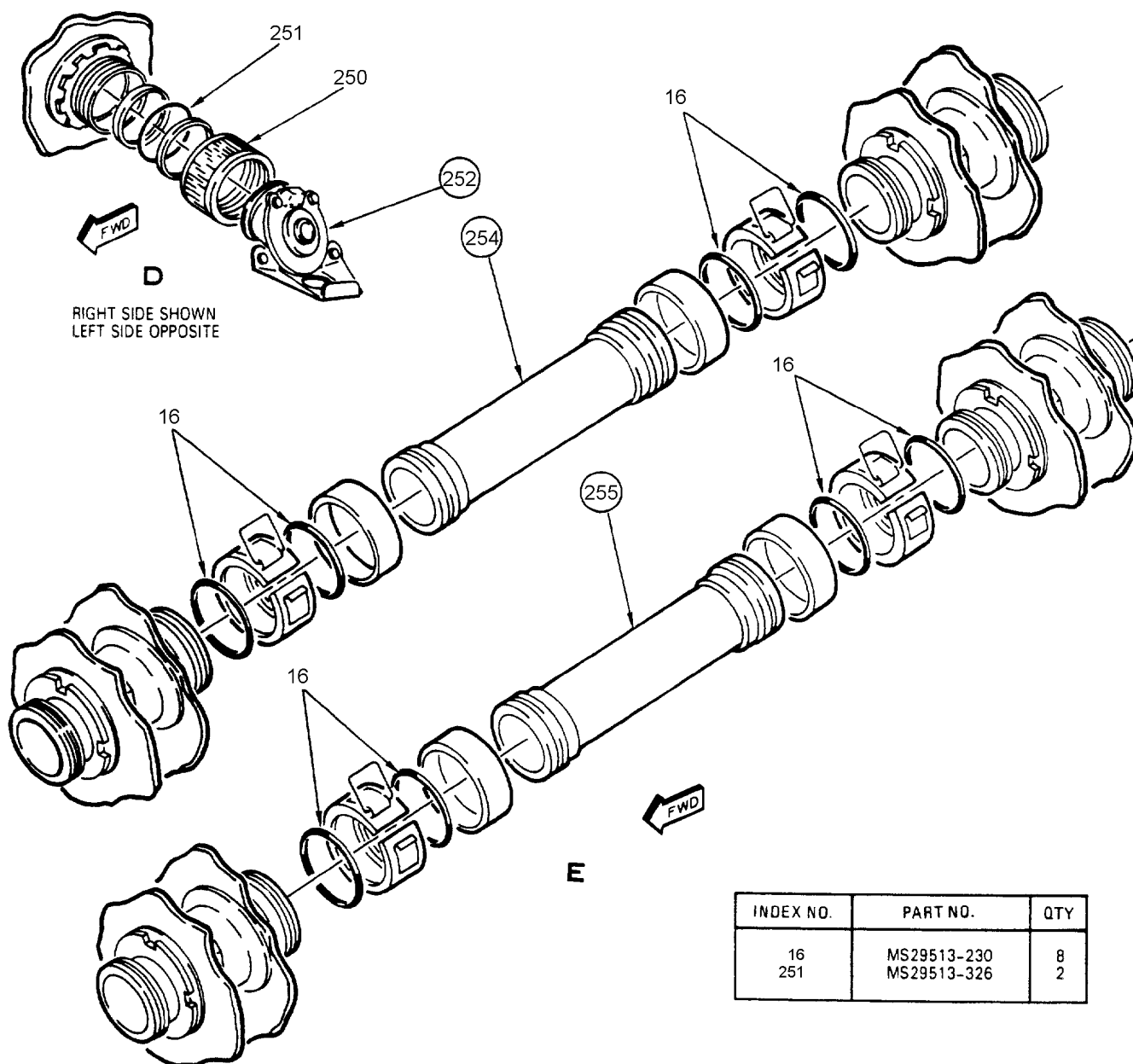


5. SEQUENCE 3.

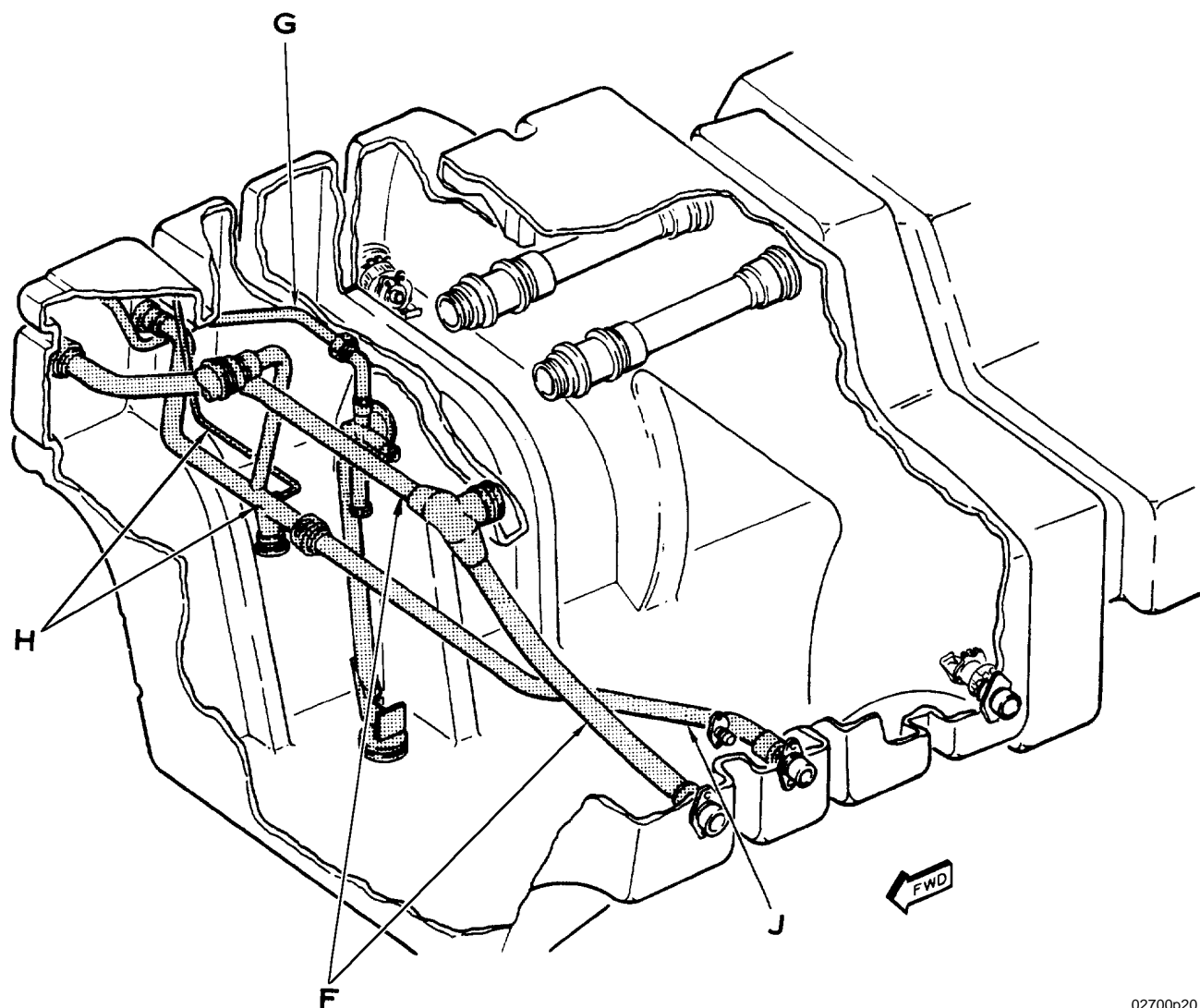


a. Install packings (251) and valves (252) on right and left sides. Tighten nut assembly (250) handtight.

b. Install packings (16) and tubes (254 and 255) and related parts.

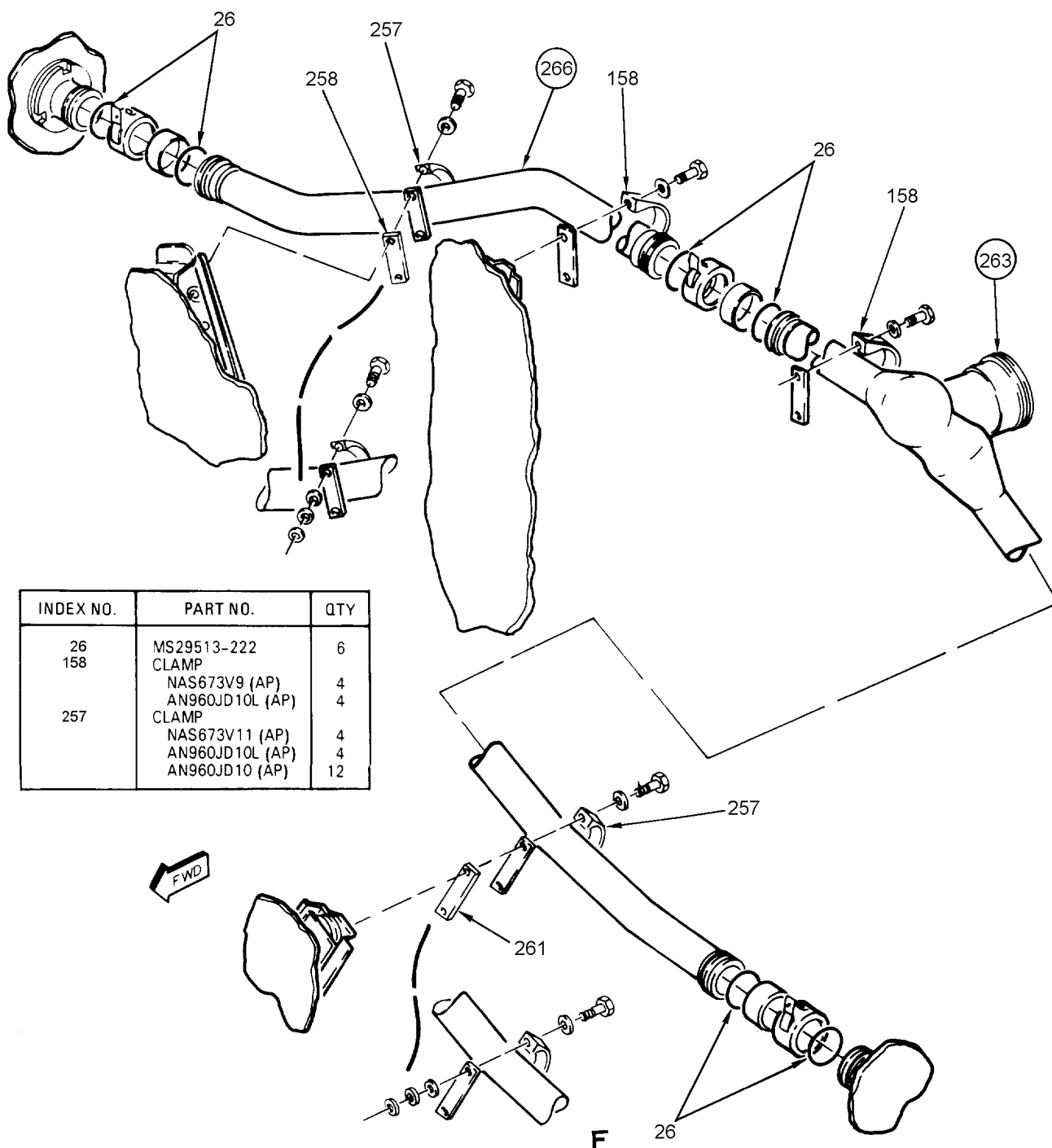


6. SEQUENCE 4.



a. If installing new shim (258 or 261) remove laminations to properly align tube (263 or 266). Prepare shim for electrical bond (A1-F18AC-LMM-000).

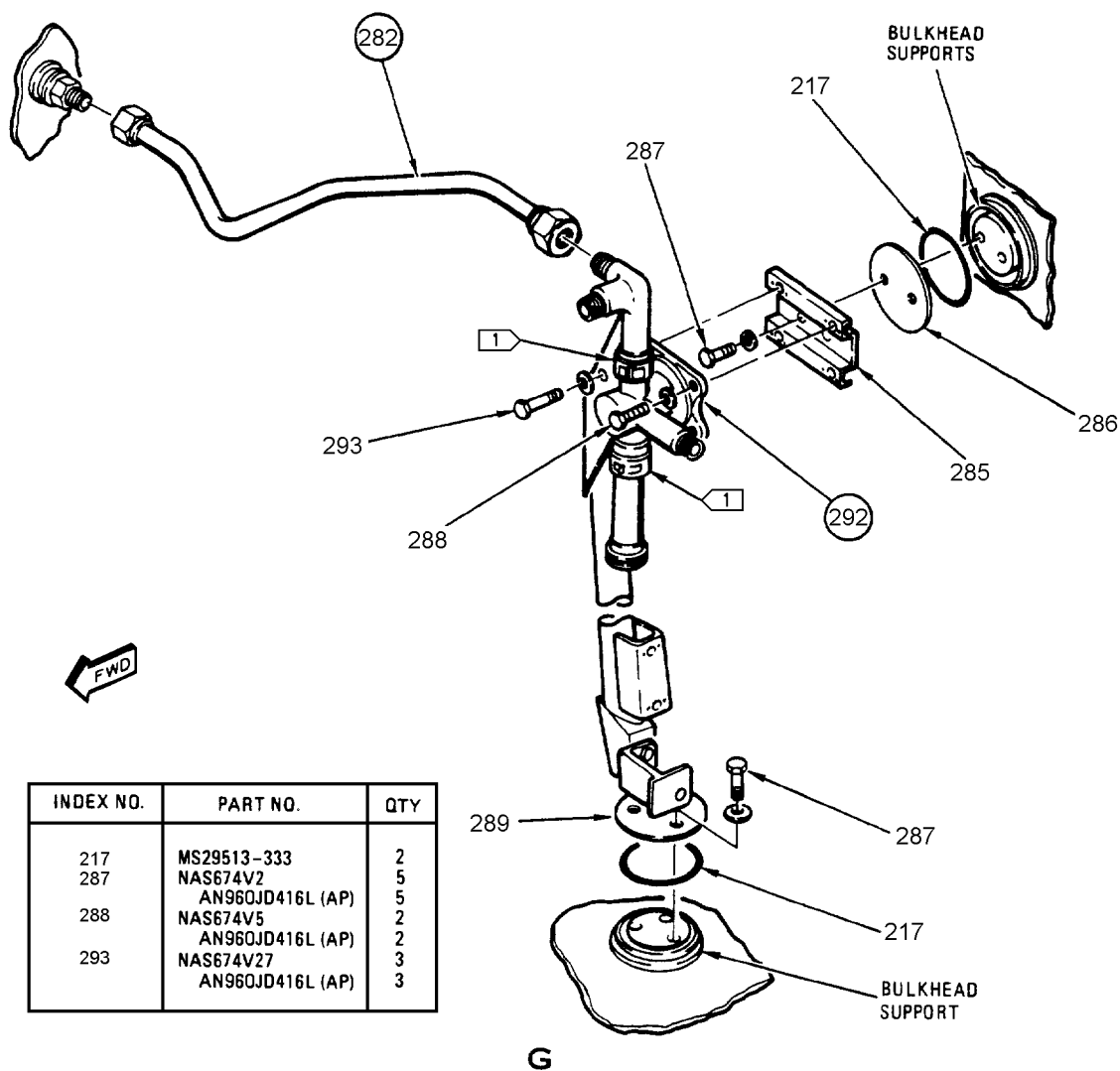
b. Install packings (26), tubes (263 and 266), clamps (158 and 257), and attaching parts.



c. Prepare mating surfaces of brackets (285 and 289), retainer (286), valve (292) and bulkhead supports for electrical bond (A1-F18AC-LMM-000).

d. Install packings (217), retainer (286), brackets (285 and 289), valve (292) and related parts. Seal bolt (287) threads per WP013 00.

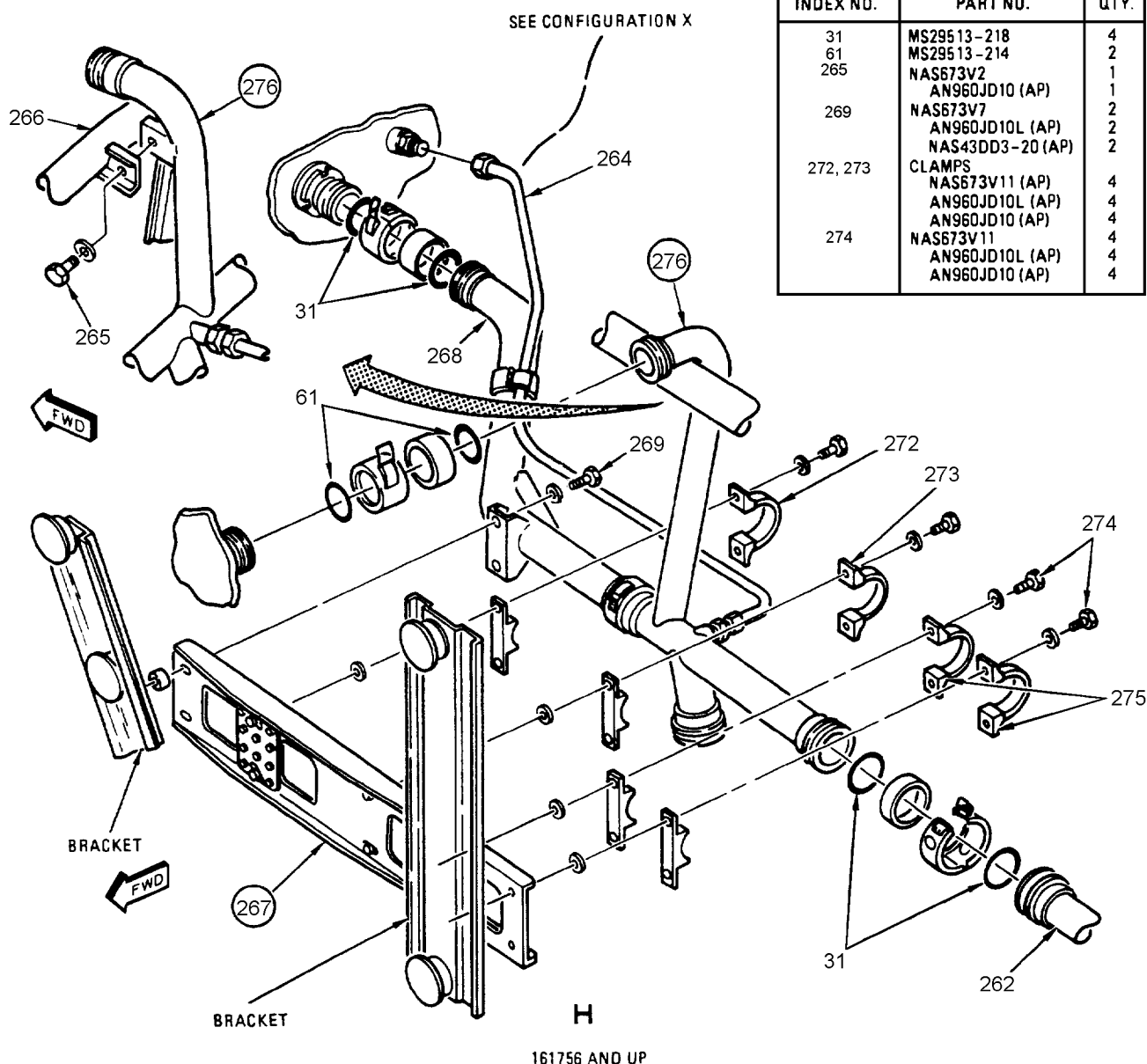
e. Install tube (282).



f. On 161756 AND UP, do substeps below:

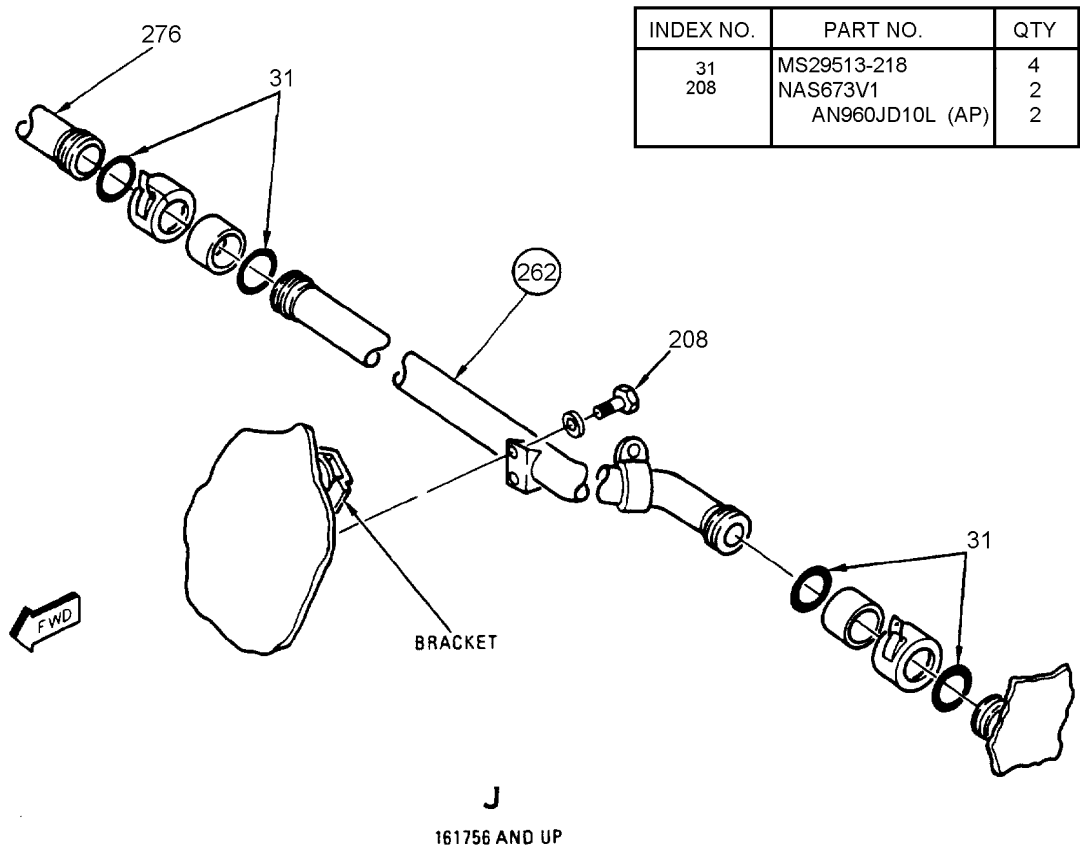
(1) Prepare mating surfaces of manifolds (268 and 276), tube (262), bracket (267) and brackets on forward wall for electrical bond (A1-F18AC-LMM-000).

(2) Install packings (31 and 61) and manifold (276) with tubes (264 and 268), clamps (272, 273 and 275), bolts (265, 269 and 274), and attaching parts.



161756 AND UP

(3) Install packings (31), tube (262), bolts (208) and washers, and related parts.

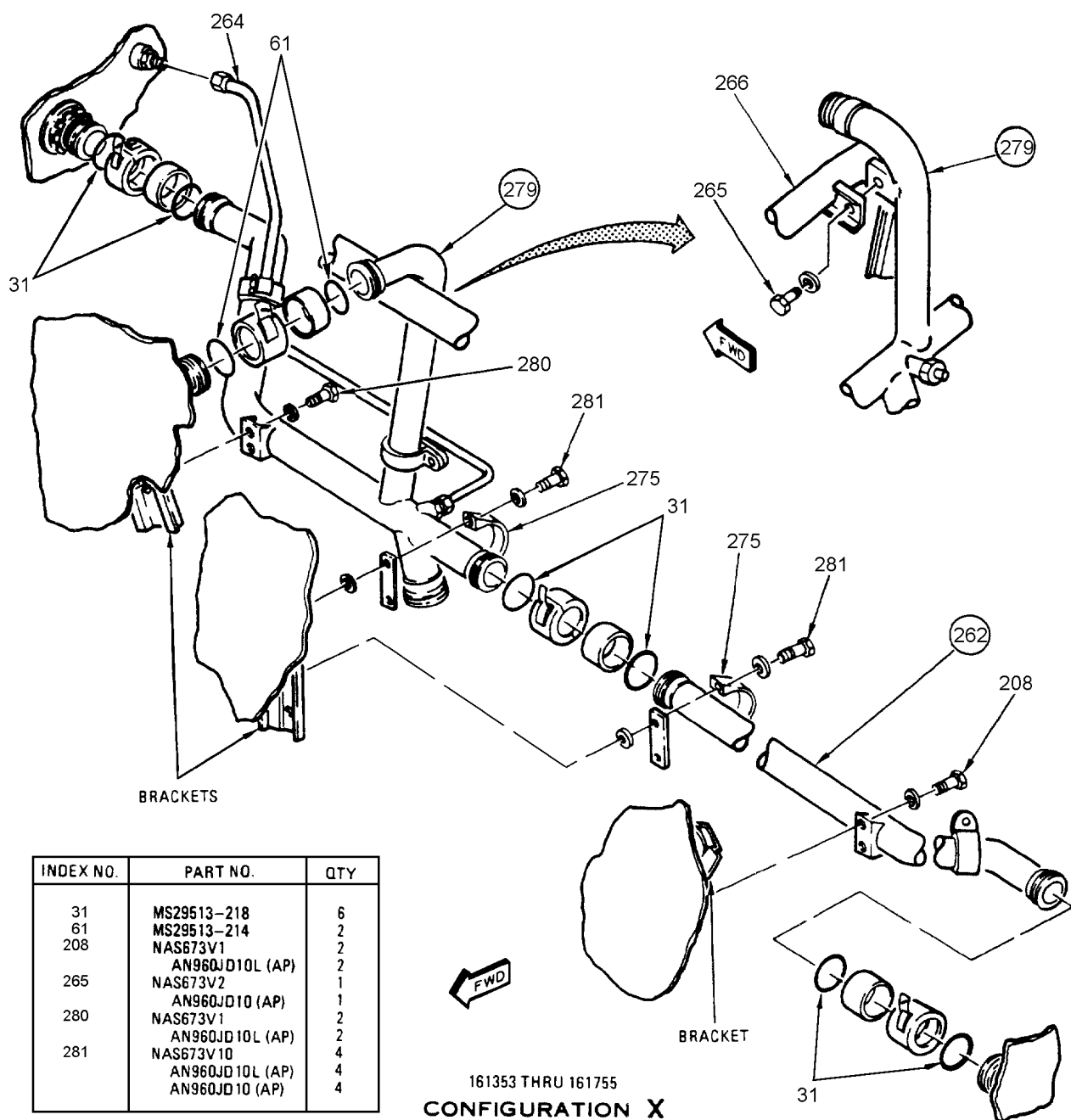


g. On 161353 THRU 161755, do substeps below:

(1) Prepare mating surfaces of manifold (279), tube (262) and brackets on forward wall for electrical bond (A1-F18AC-LMM-000).

(2) Install packings (31 and 61), manifold (279), tubes (262 and 264), and related parts.

(3) Install clamps (275), bolts (208, 265, 280 and 281) and attaching parts.



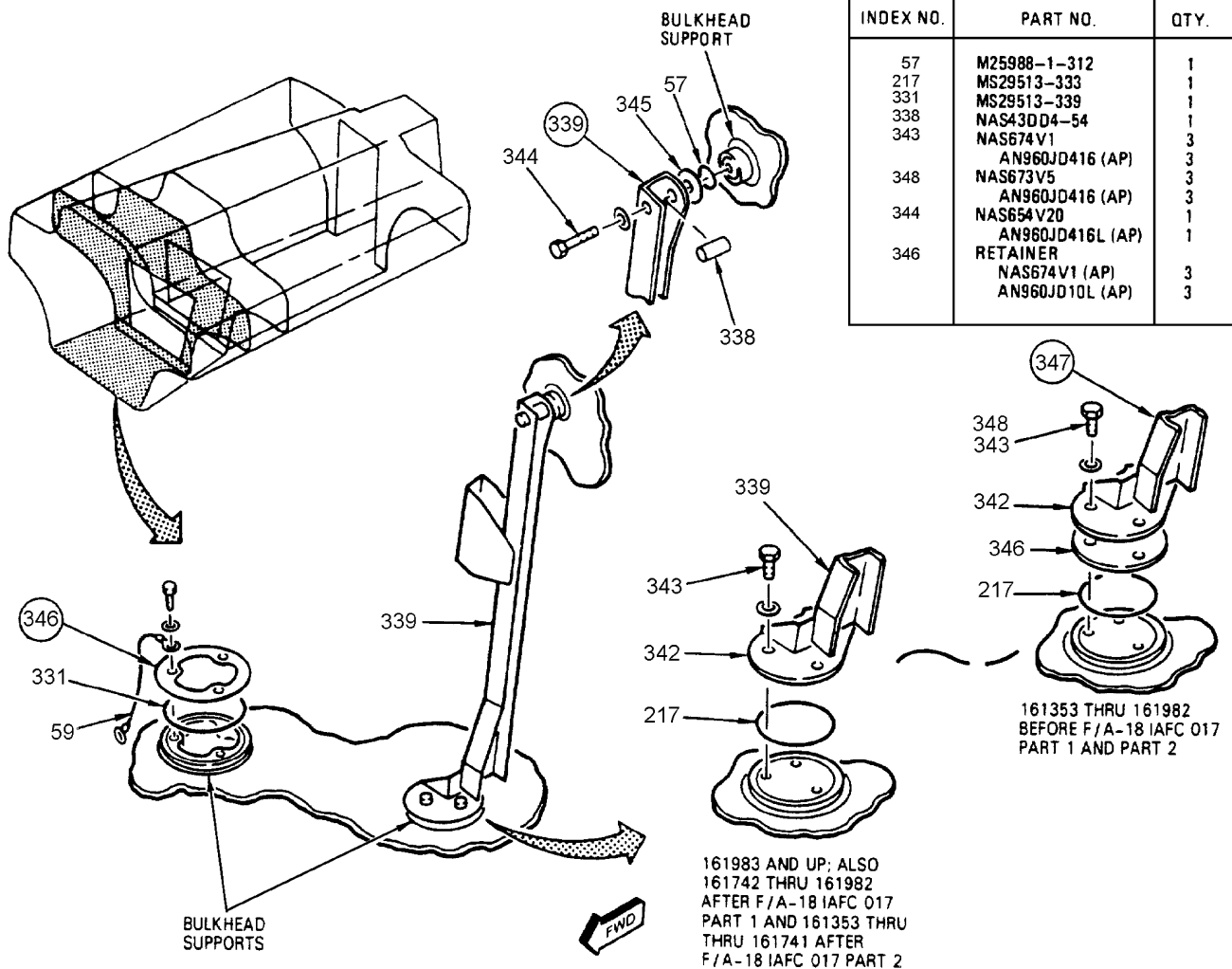
h. Prepare mating surfaces of support (339 or 347), bracket (342), spacer (349), lead (59), retainer (346), and bulkhead support for electrical bond (A1-F18AC-LMM-000).

i. Install packing (331), retainer (346), and attaching parts. Seal retainer (346) bolt threads per WP013 00. (QA)

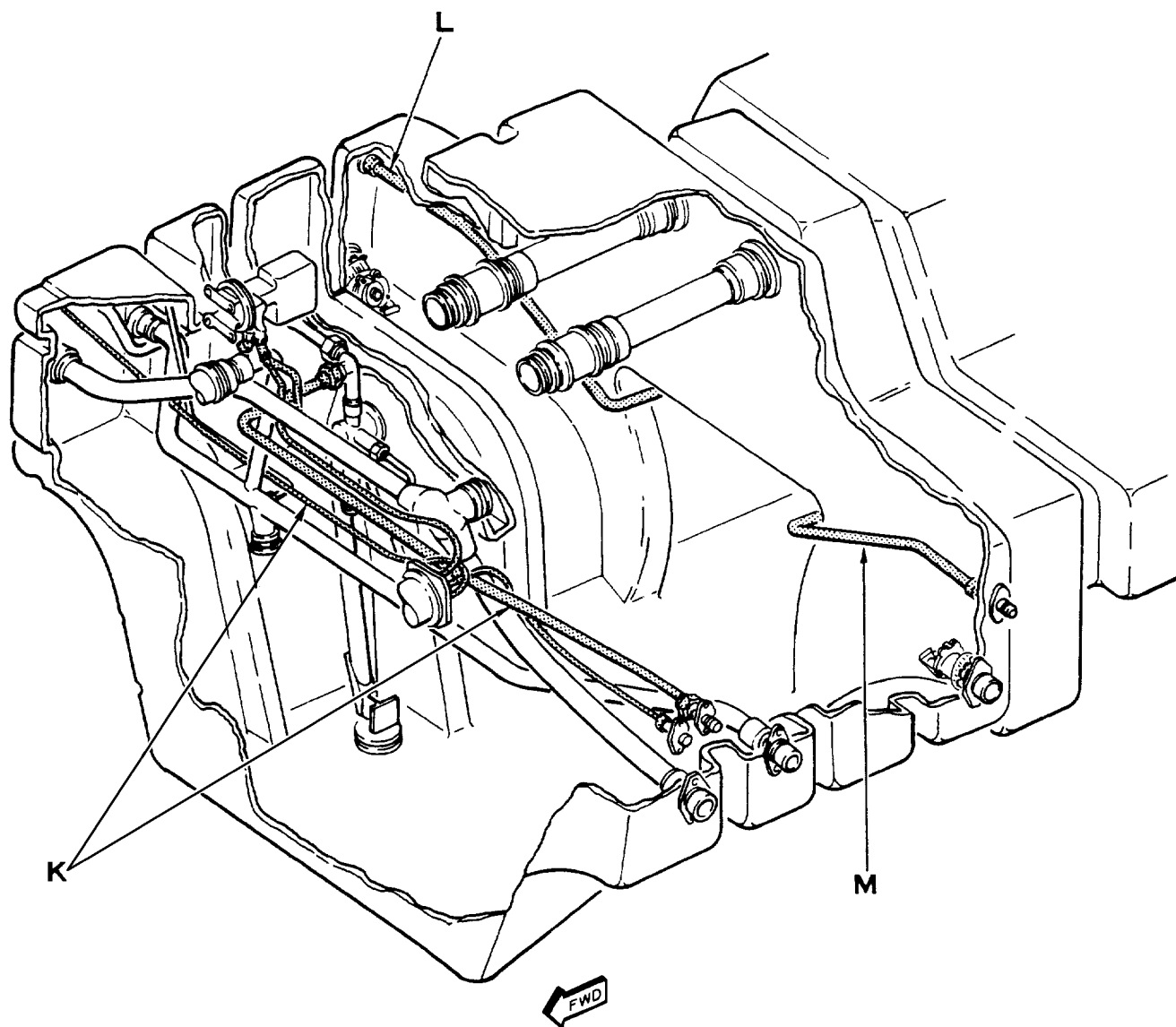
j. On 162436 AND UP install electrical lead (59) with retainer (346).

k. On 161353 THRU 161987, apply sealant to bolt (343, 344 or 348) threads per WP013 00. (QA)

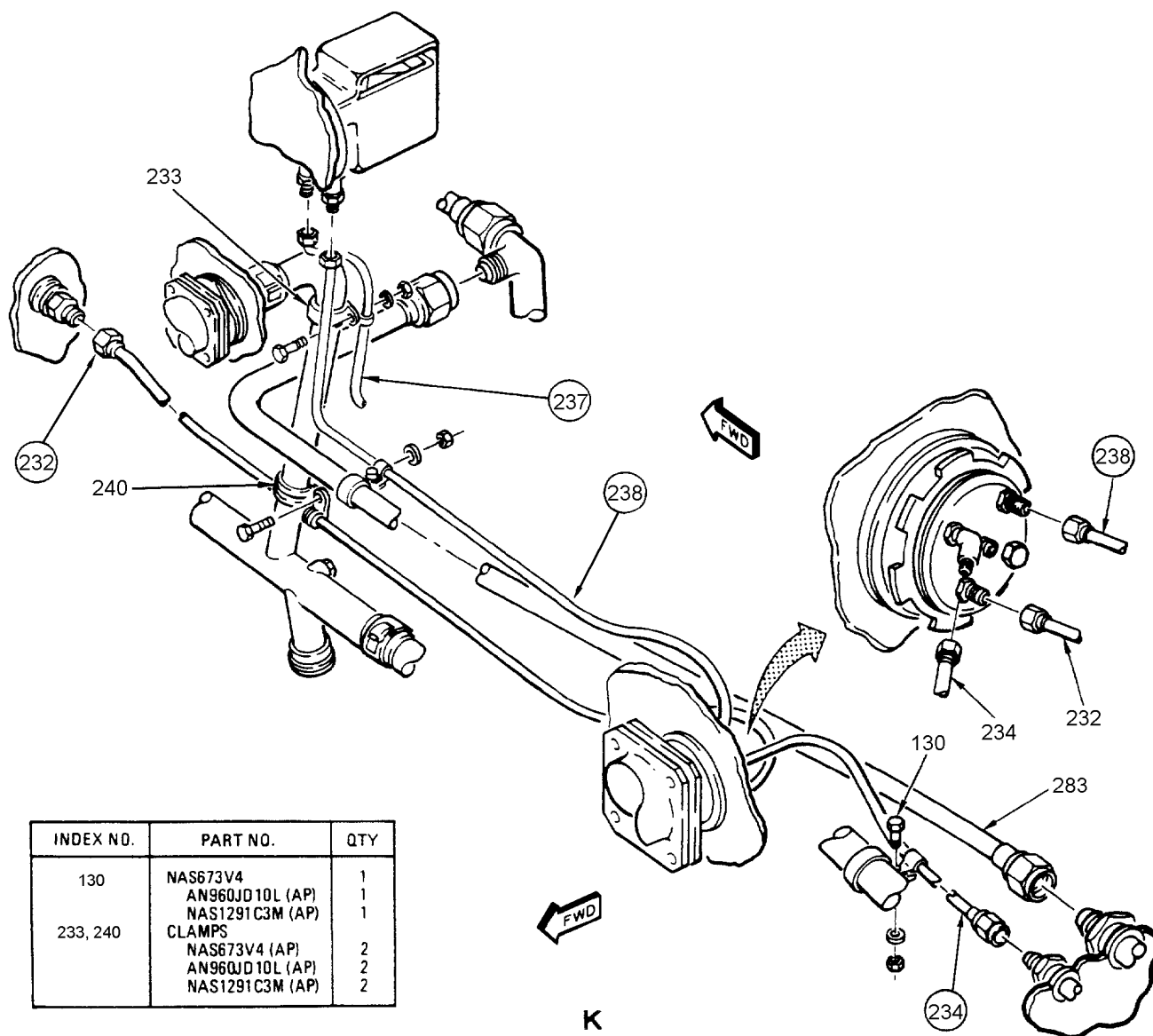
l. Install packings (57 and 217), support (339 or 347), spacers (338 and 345), bolts (343 and 344) and washer. On 161353 THRU 161982 BEFORE F/A-18 IAFC 017 Part 1 and Part 2, if bracket (347) will not align, install spacer (349). Use bolt (348) with spacer.



7. SEQUENCE 5.

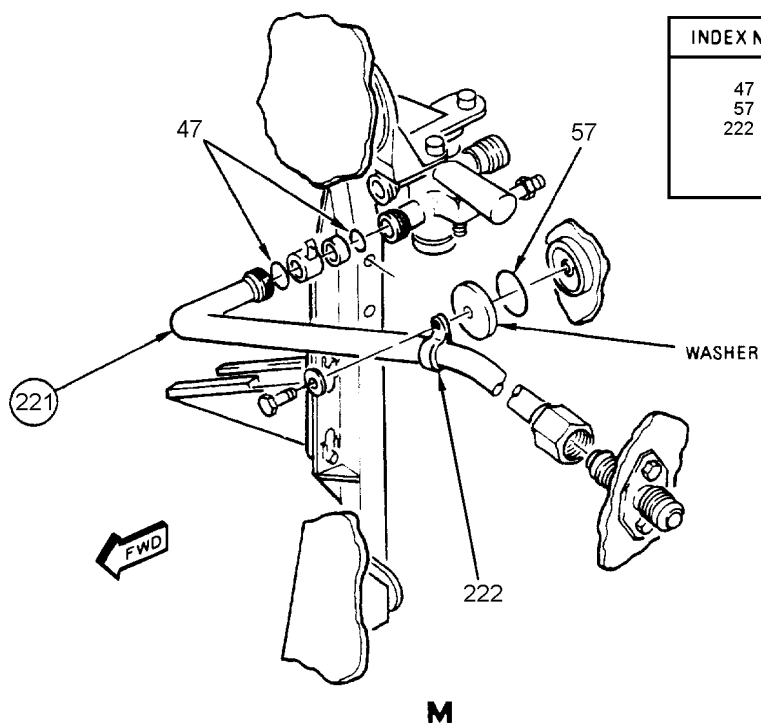
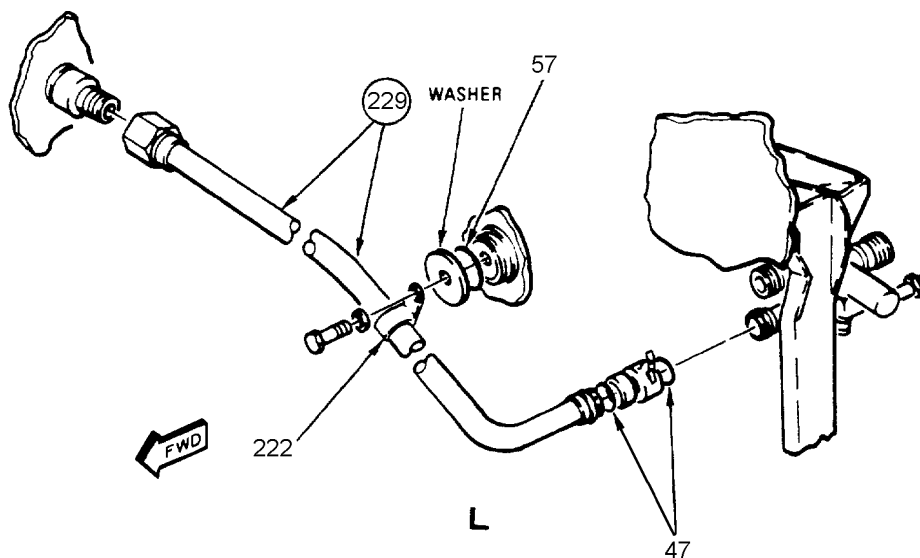


- a. Install tubes (232, 234, 237, 238 and 283), clamps (233 and 228), bolts (130) and attaching parts.



INDEX NO.	PART NO.	QTY
130	NAS673V4	1
	AN96QJD10L (AP)	1
	NAS1291C3M (AP)	1
233, 240	CLAMPS	
	NAS673V4 (AP)	2
	AN96QJD10L (AP)	2
	NAS1291C3M (AP)	2

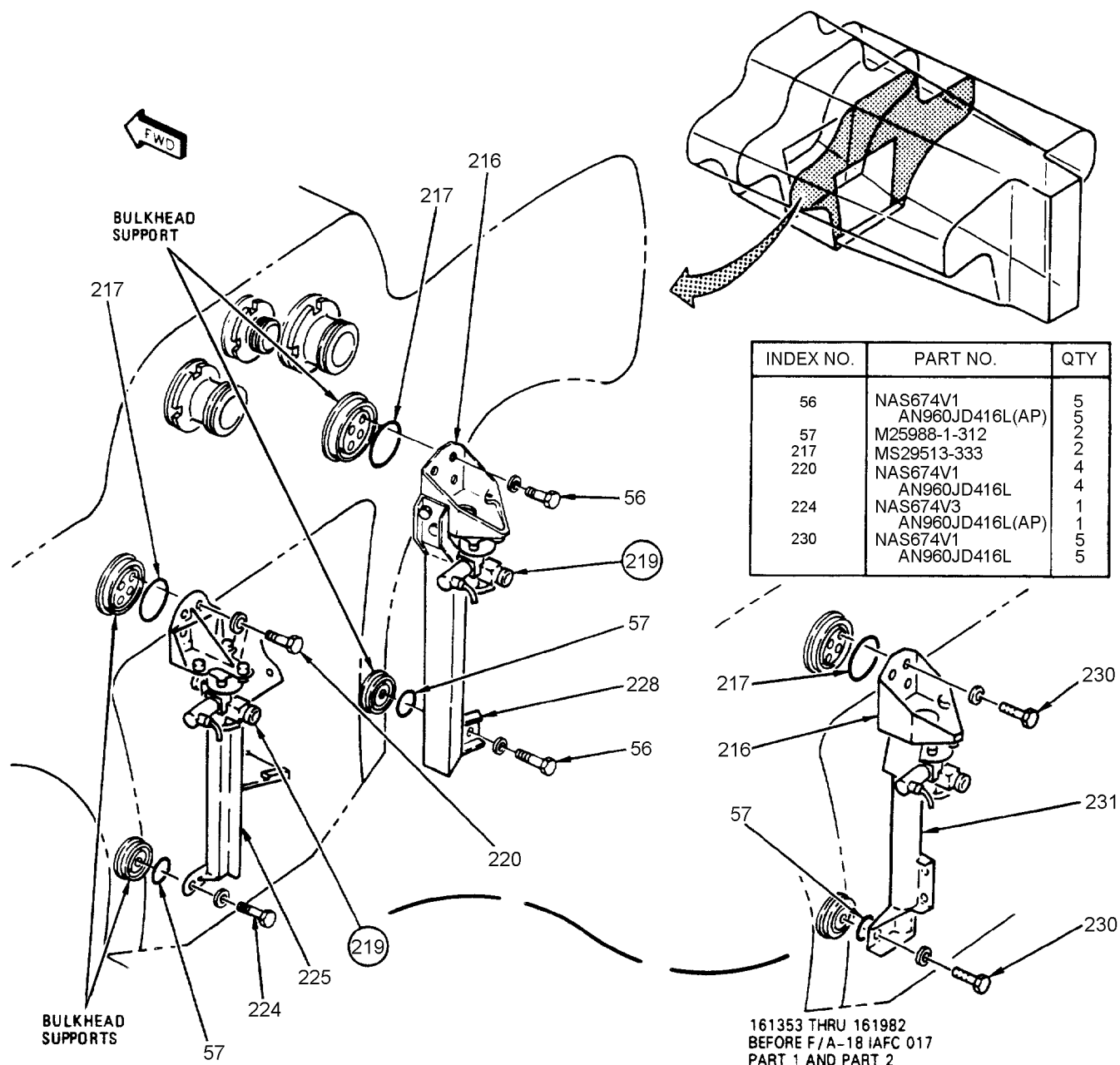
b. Install packings (47 and 57), tubes (221 and 229) and attaching parts. Seal clamp (222) bolt threads per WP013 00. (QA)



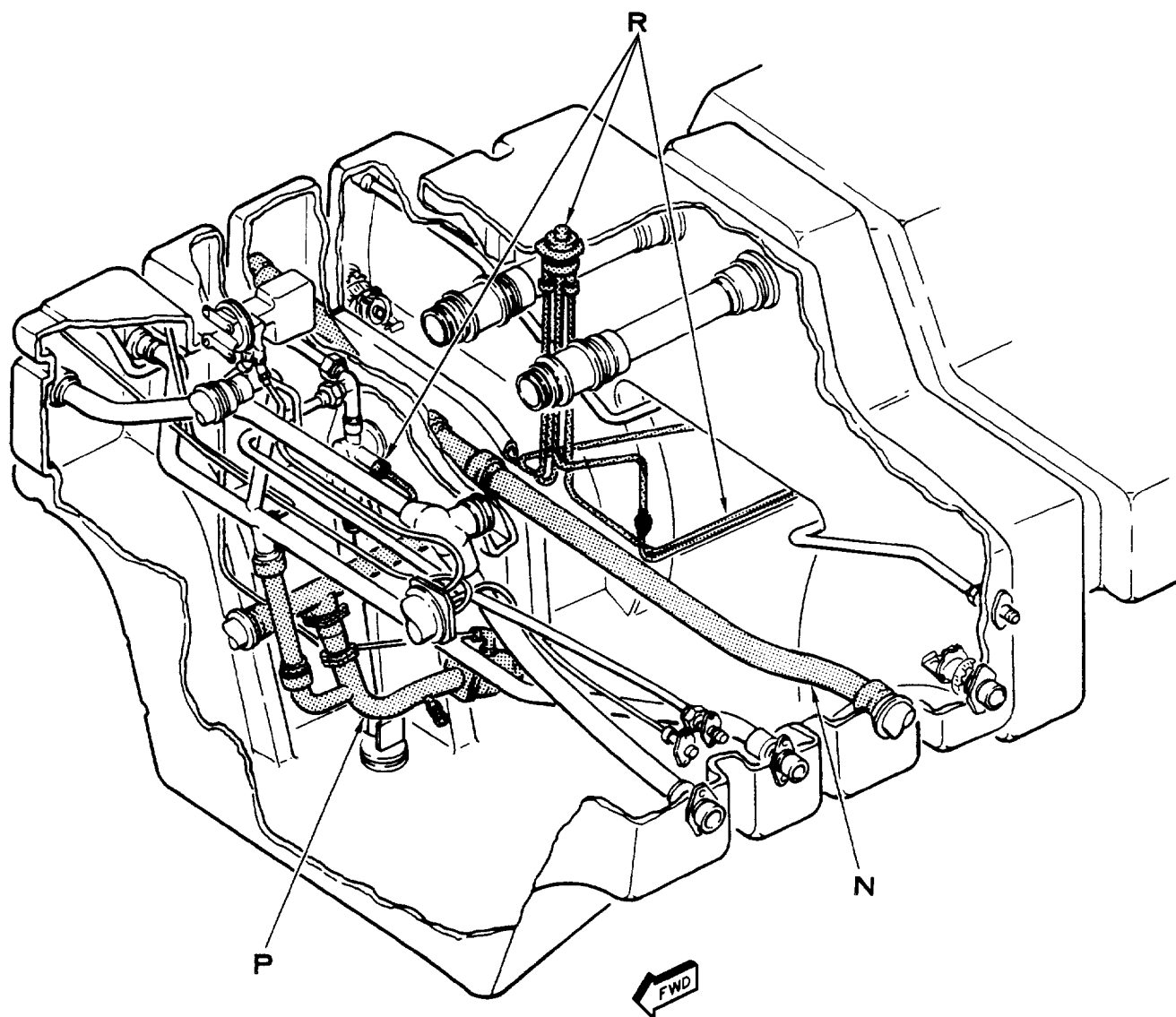
INDEX NO.	PART NO.	QTY
47	MS29513-117	4
57	M25988-1-312	2
222	CLAMP	
	NAS673V2 (AP)	2
	AN960JD10L (AP)	2

c. Prepare mating surfaces of supports (216, 225 or 231), bracket (228) and bulkhead supports for electrical bond (A1-F18AC-LMM-000).

d. Install packings (57 and 217), valves (219) and related parts. Seal bolt (56, 220 and 224 or 230) threads per WP013 00. (QA)



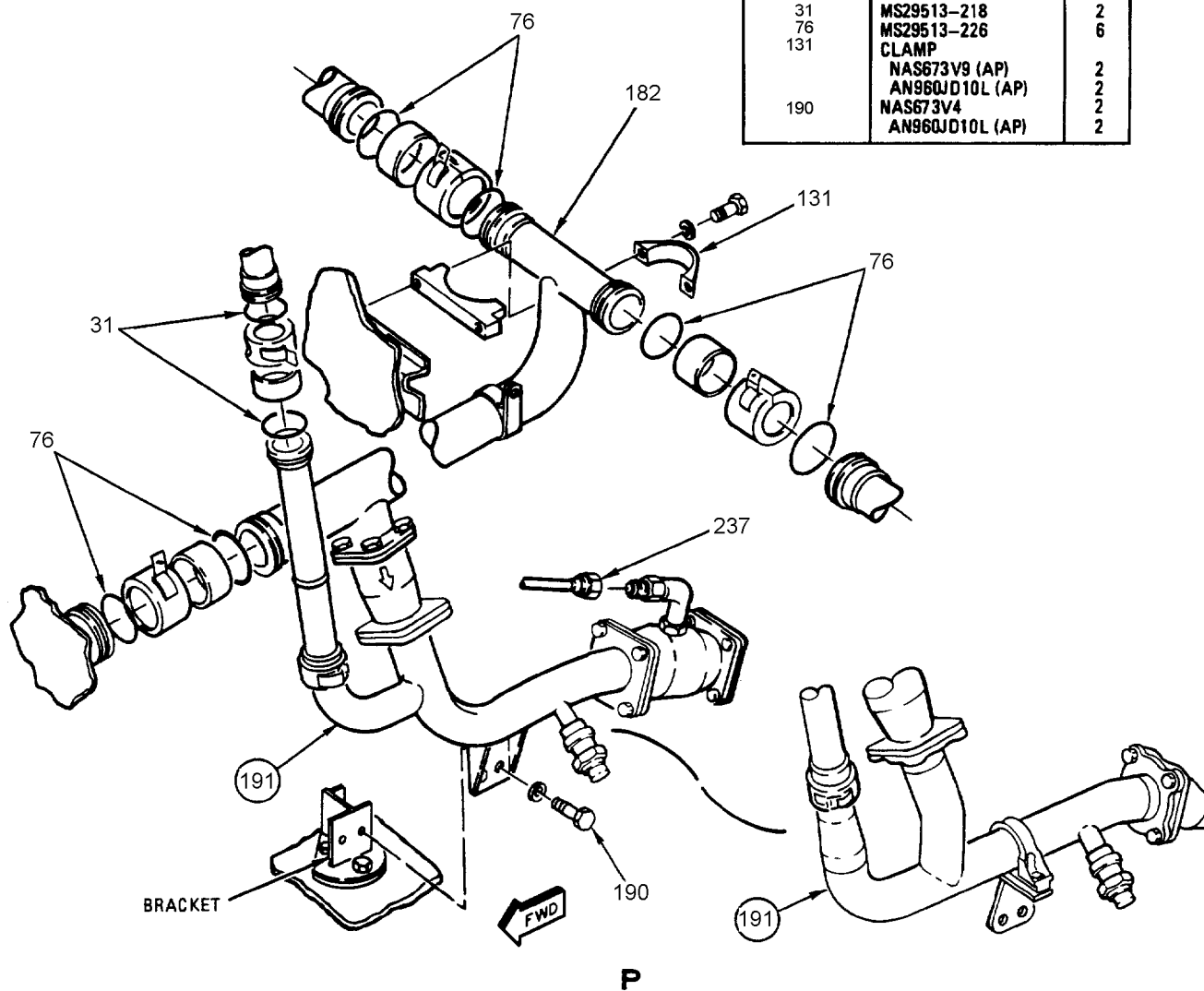
8. SEQUENCE 6.



a. Prepare mating surfaces of brackets (296 and 298) for electrical bond (A1-F18AC-LMM-000).

b. Install packings (57 and 76), tubes (249 and 256), brackets (296 and 298) and attaching parts. Seal bolt (287 and 297) threads per WP013 00. (QA)

INDEX NO.	PART NO.	QTY
31	MS29513-218	2
76	MS29513-226	6
131	CLAMP	
	NAS673V9 (AP)	2
	AN960JD10L (AP)	2
190	NAS673V4	2
	AN960JD10L (AP)	2

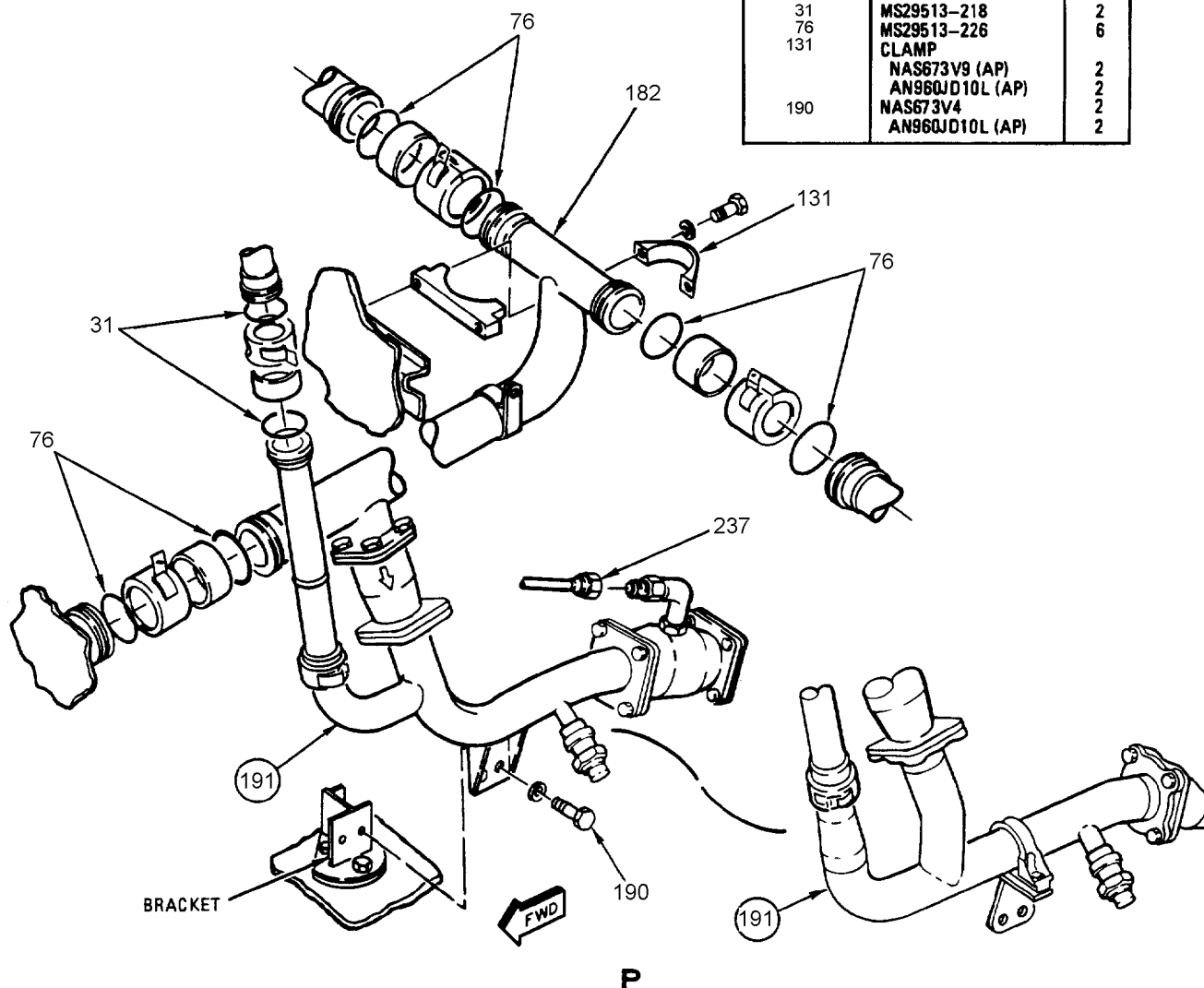


c. Prepare mating surfaces of bracket and manifold (191) for electrical bond (A1-F18AC-LMM-000).

d. Install packings (31 and 76), tube (182), manifold (191), clamp (131), bolts (190) and attaching parts.

e. Connect tube (237).

INDEX NO.	PART NO.	QTY
31	MS29513-218	2
76	MS29513-226	6
131	CLAMP	
	NAS673V9 (AP)	2
	AN96QD10L (AP)	2
190	NAS673V4	2
	AN96QD10L (AP)	2

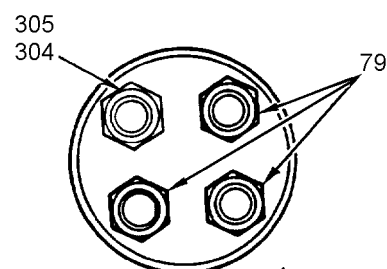


f. Install nipples (79 and 305) and packings or, if applicable, plug (304).

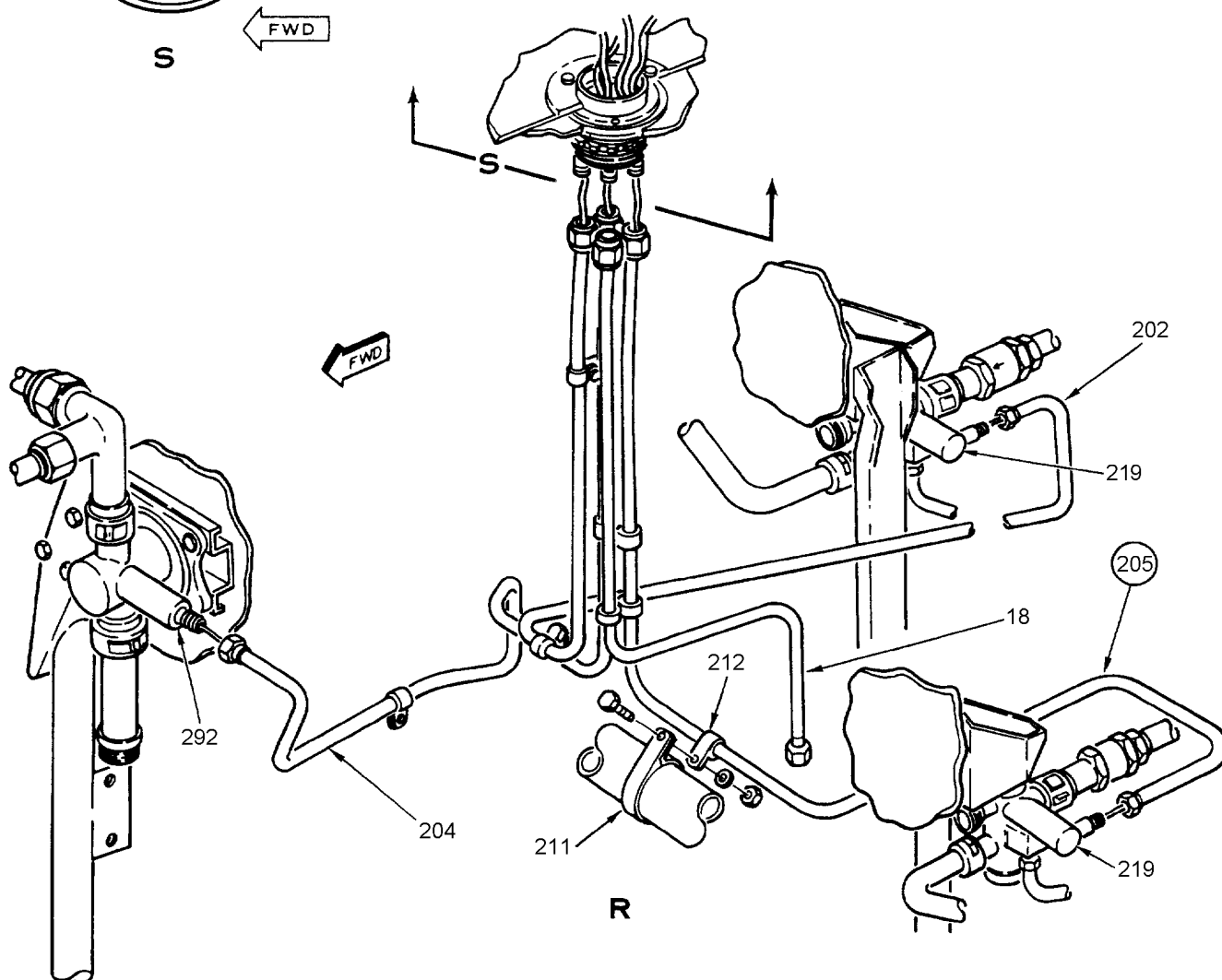
g. Secure wires from valves (219 and 292) to string in applicable tube then thread string and wires through applicable nipples in dorsal deck.

h. Install tubes (202, 204 and 205) and attaching-parts and torque 75 to 140 inch-pounds. (QA) Install tube (16) with tube (205), if applicable. Torque tube (18) 225 to 325 inch-pounds. (QA)

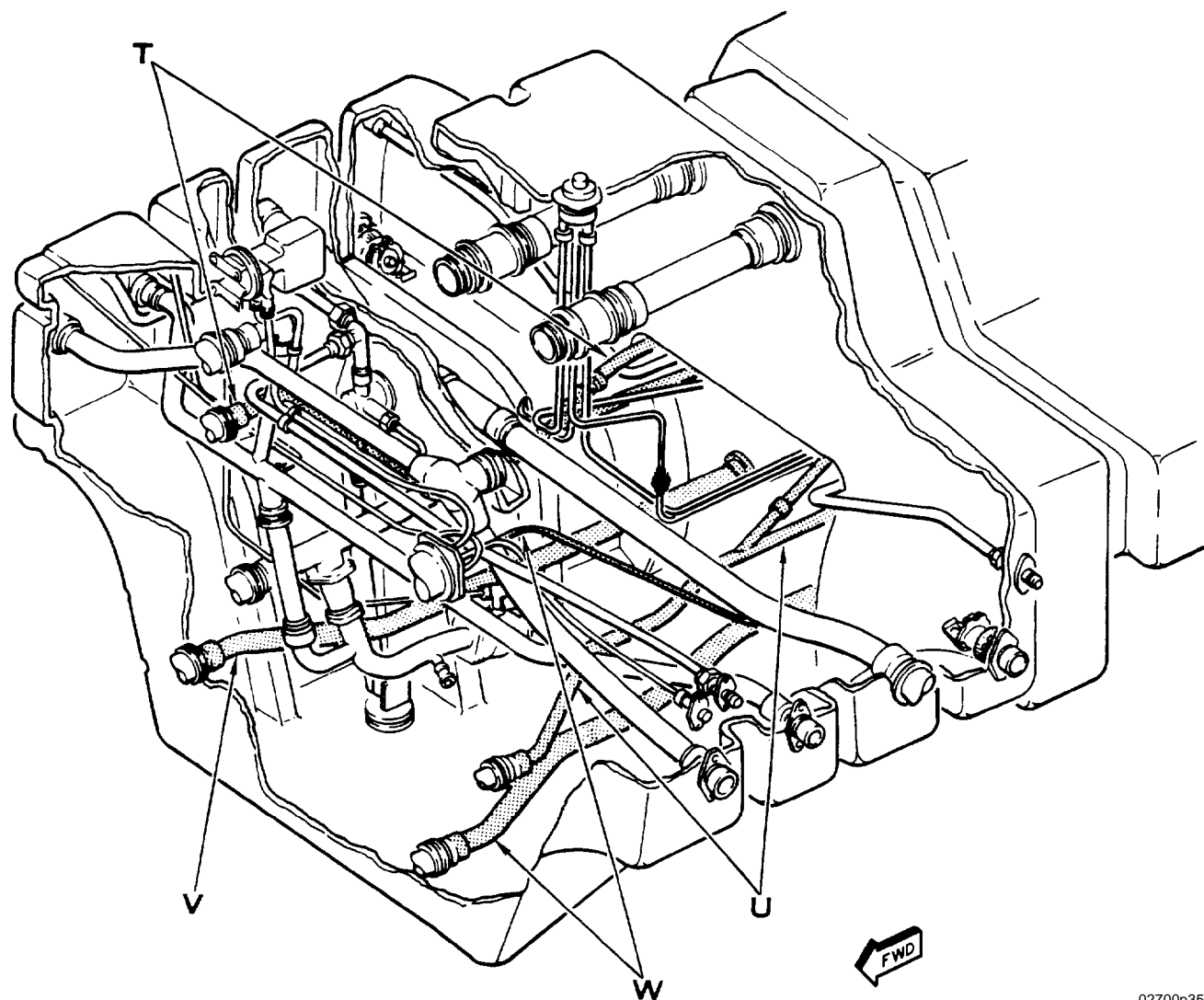
i. Connect clamps (211 and 212).



INDEX NO.	PART NO.	QTY
79, 305	NIPPLE MS29512-06 (AP)	4
304	PLUG MS29512-06 (AP)	1
212	CLAMP NAS673V4 (AP)	1
	AN960JD10L (AP)	1
	NAS1291C3M (AP)	1



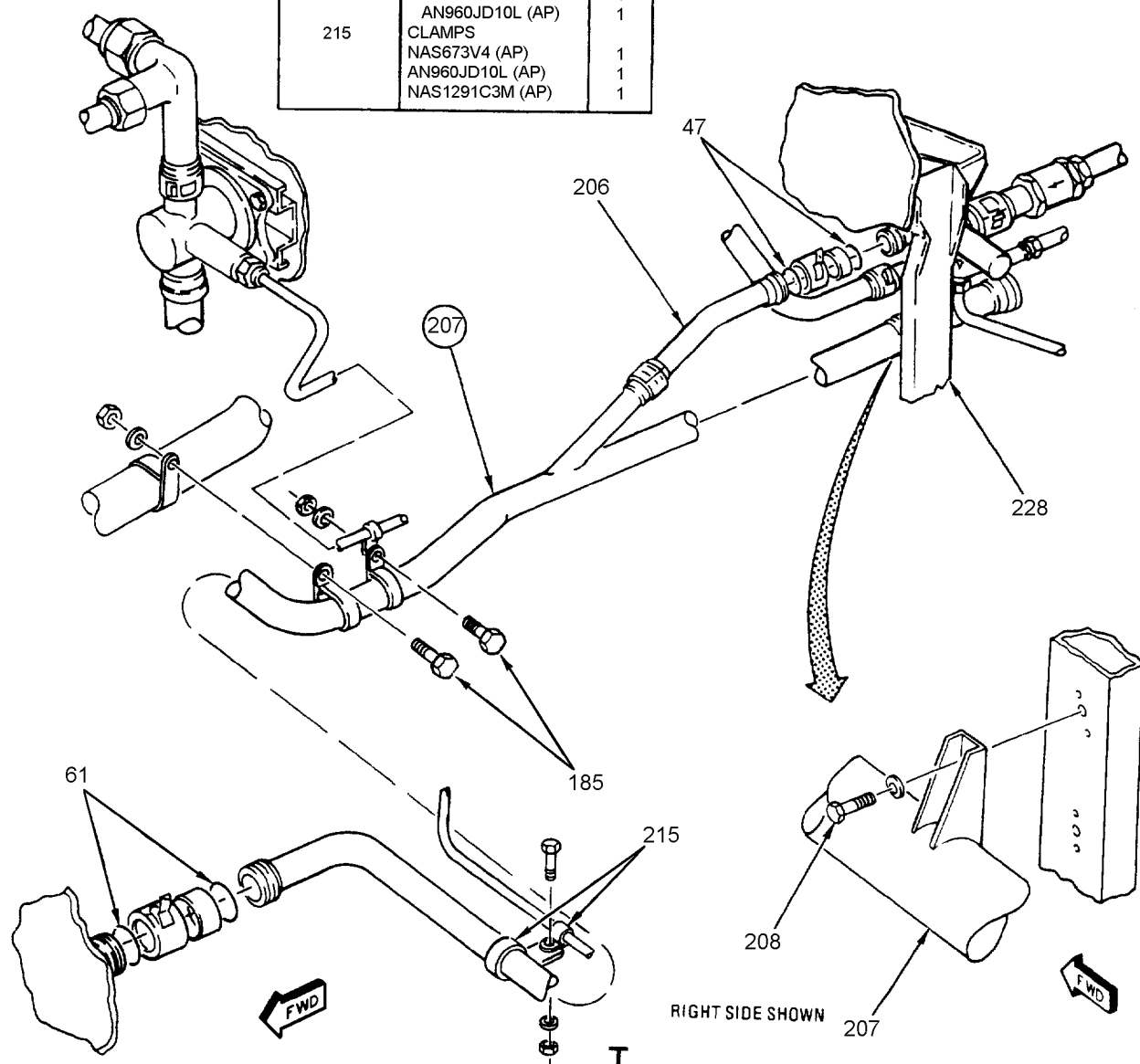
9. SEQUENCE 7.



a. Prepare mating surfaces of manifold (207) and bracket (228) for electrical bond (A1-F18AC-LMM-000).

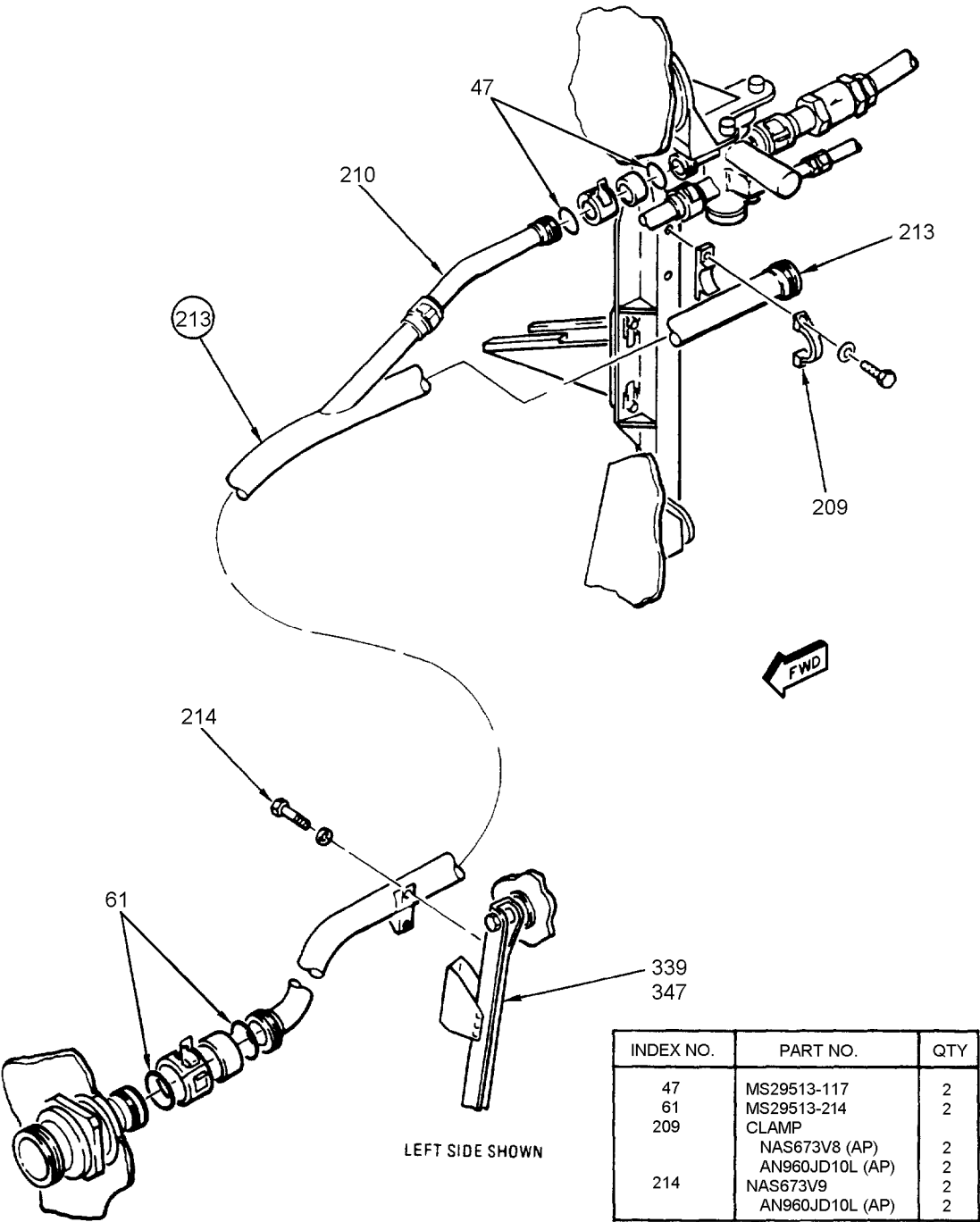
b. Install packings (47 and 61), tube (206), manifold (207), and related parts. Connect clamps (215) and install bolts (185 and 208) and attaching parts.

INDEX NO.	PART NO.	QTY
47	MS29513-117	2
61	MS29513-214	2
185	NAS673V4	2
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	2
208	NAS673V1	1
	AN960JD10L (AP)	1
215	CLAMPS	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	1
	NAS1291C3M (AP)	1



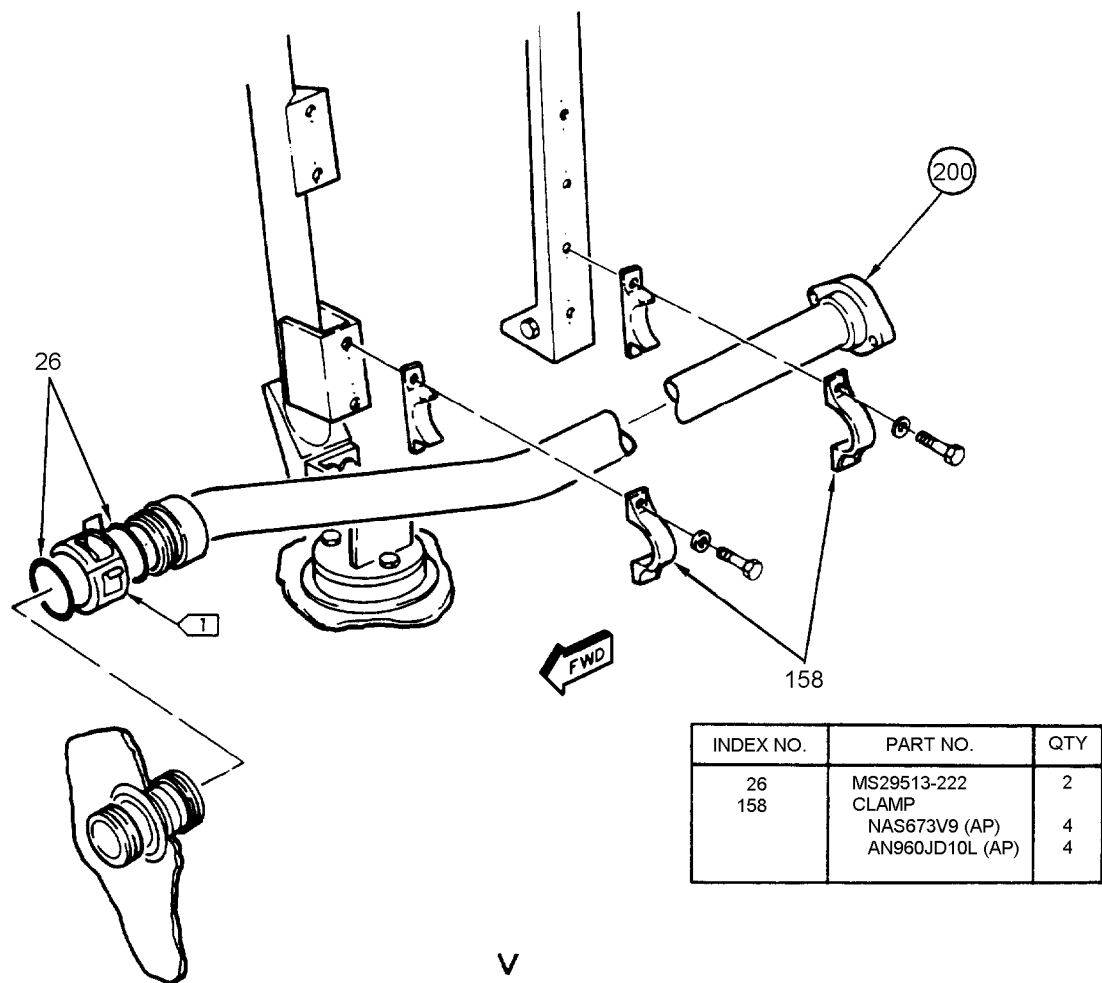
c. Prepare mating surfaces of tube (213) and bracket (339 or 347) for electrical bond (A1-F18AC-LMM-000).

d. Install packings (47 and 61), tubes (210 and 213), clamp (209), bolts (214) and attaching parts.



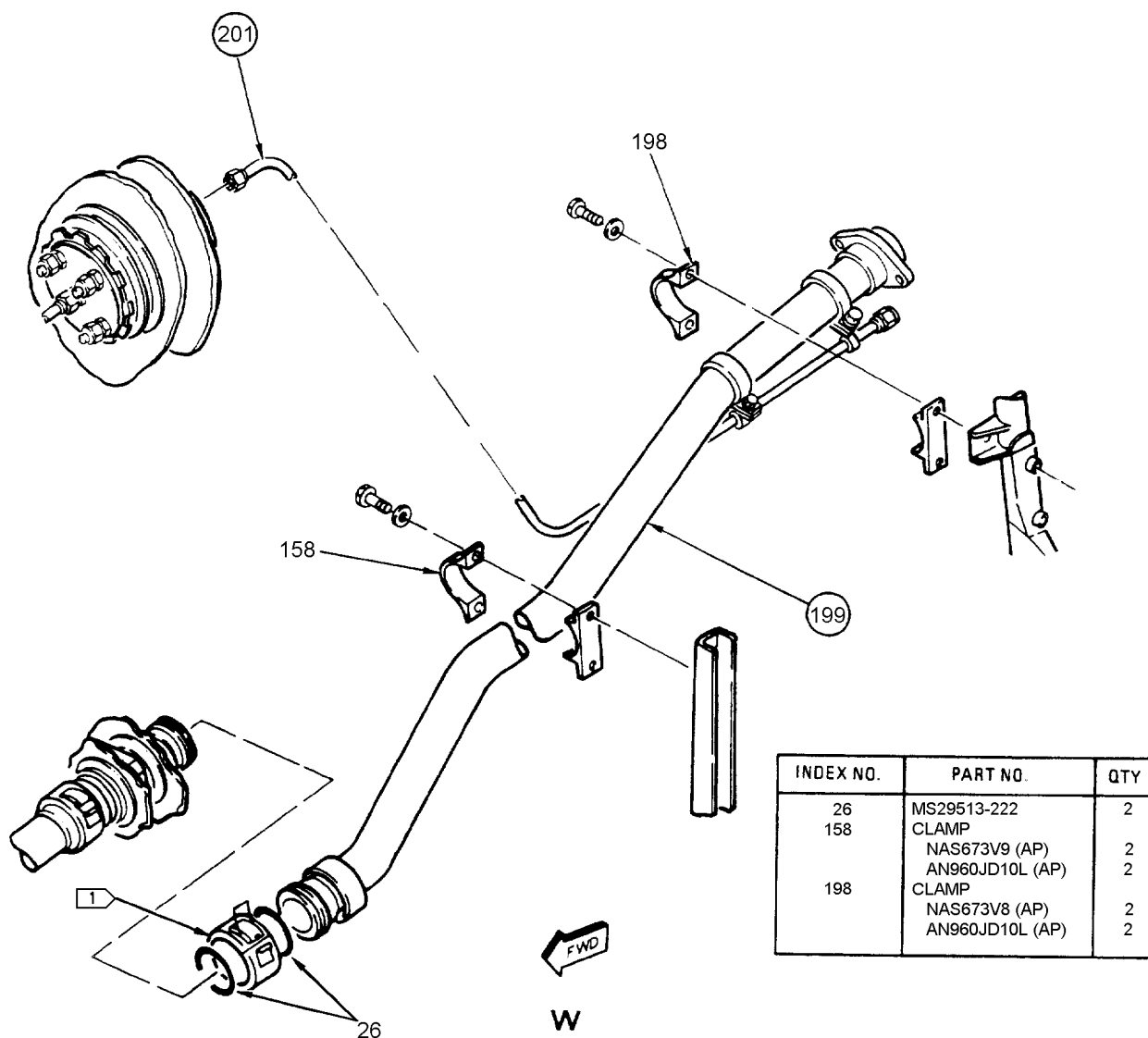
U

e. Install packings (26), tube (200), clamps (158) and attaching parts.

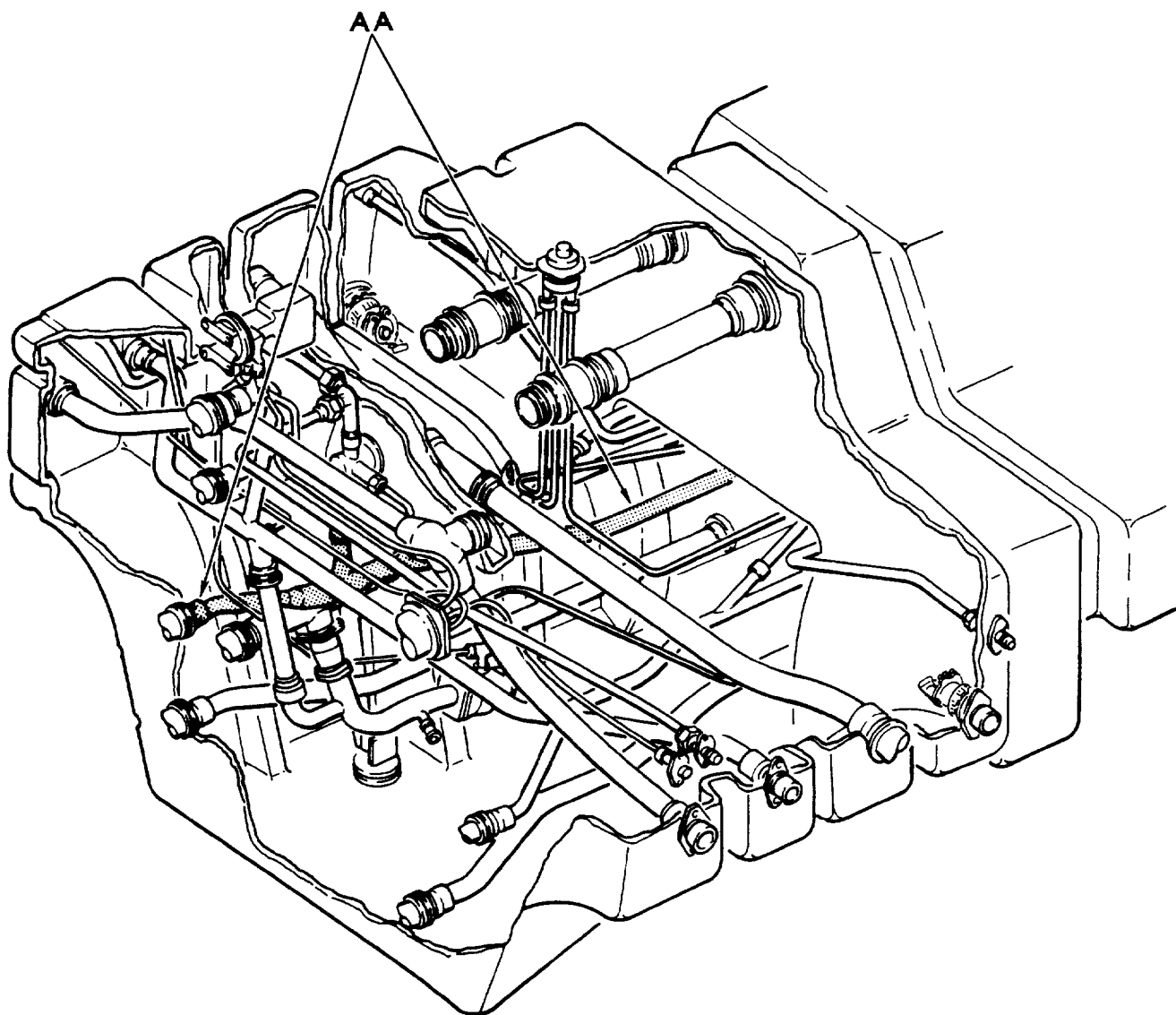


f. Install packings (26), tube (199) with tube (201) on 161353 THRU 161965.

g. Install clamps (158 and 198) and attaching parts.

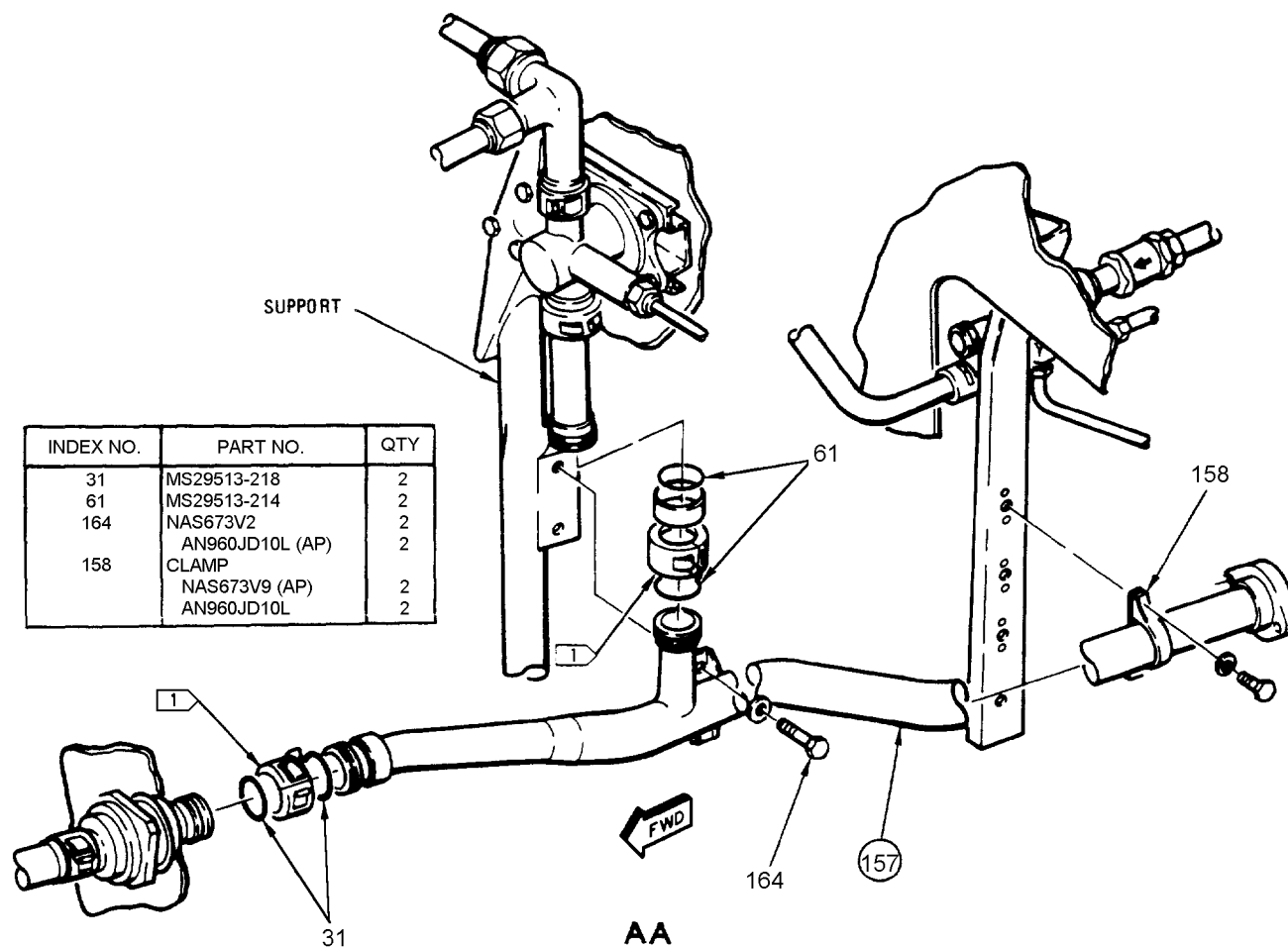


10. SEQUENCE 8.

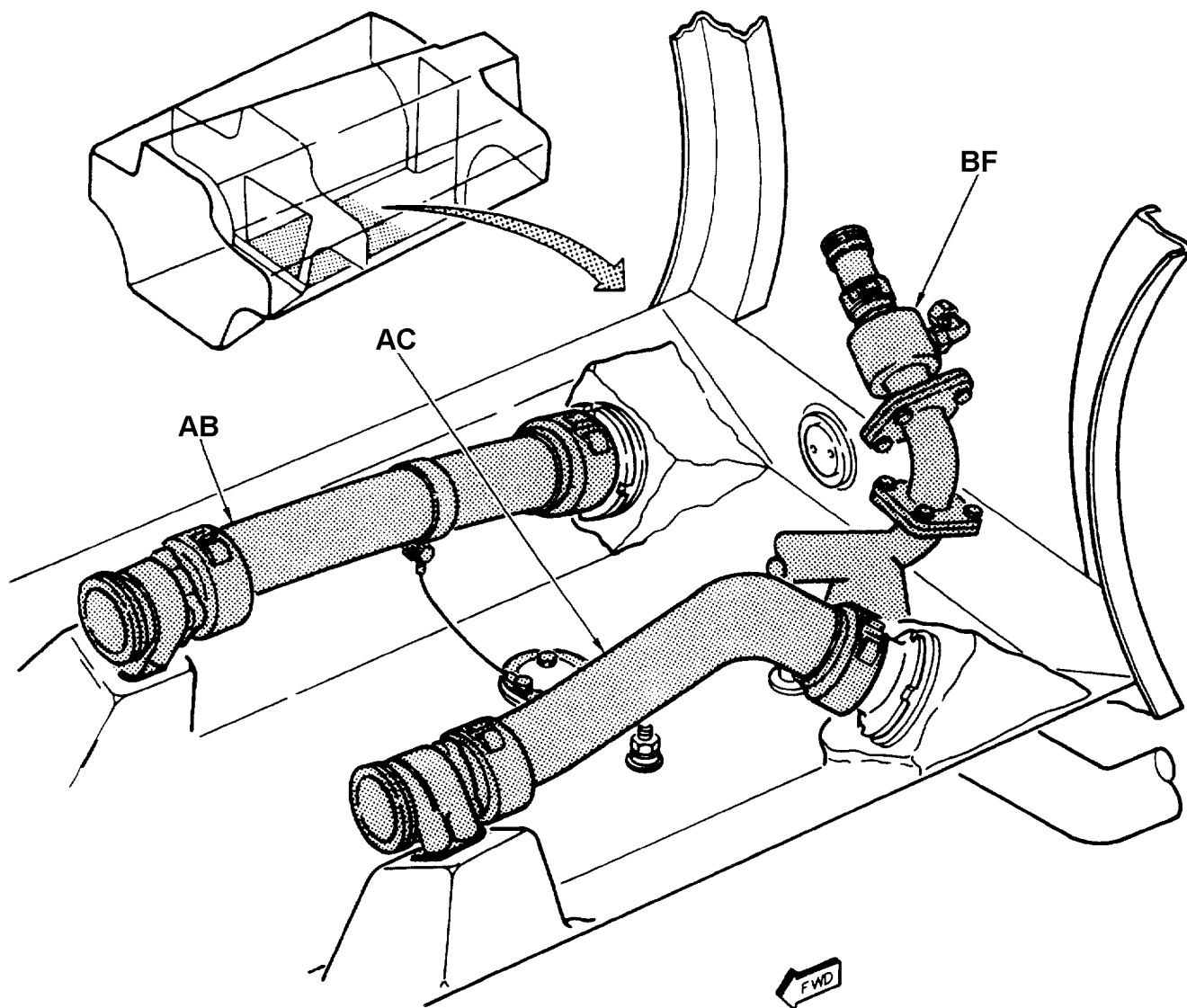


a. Prepare mating surfaces of tube (157) and support for electrical bond (A1-F18AC-LMM-000).

b. Install packings (31 and 61), tube (157), bolts (164) and related parts.



11. SEQUENCE 9.

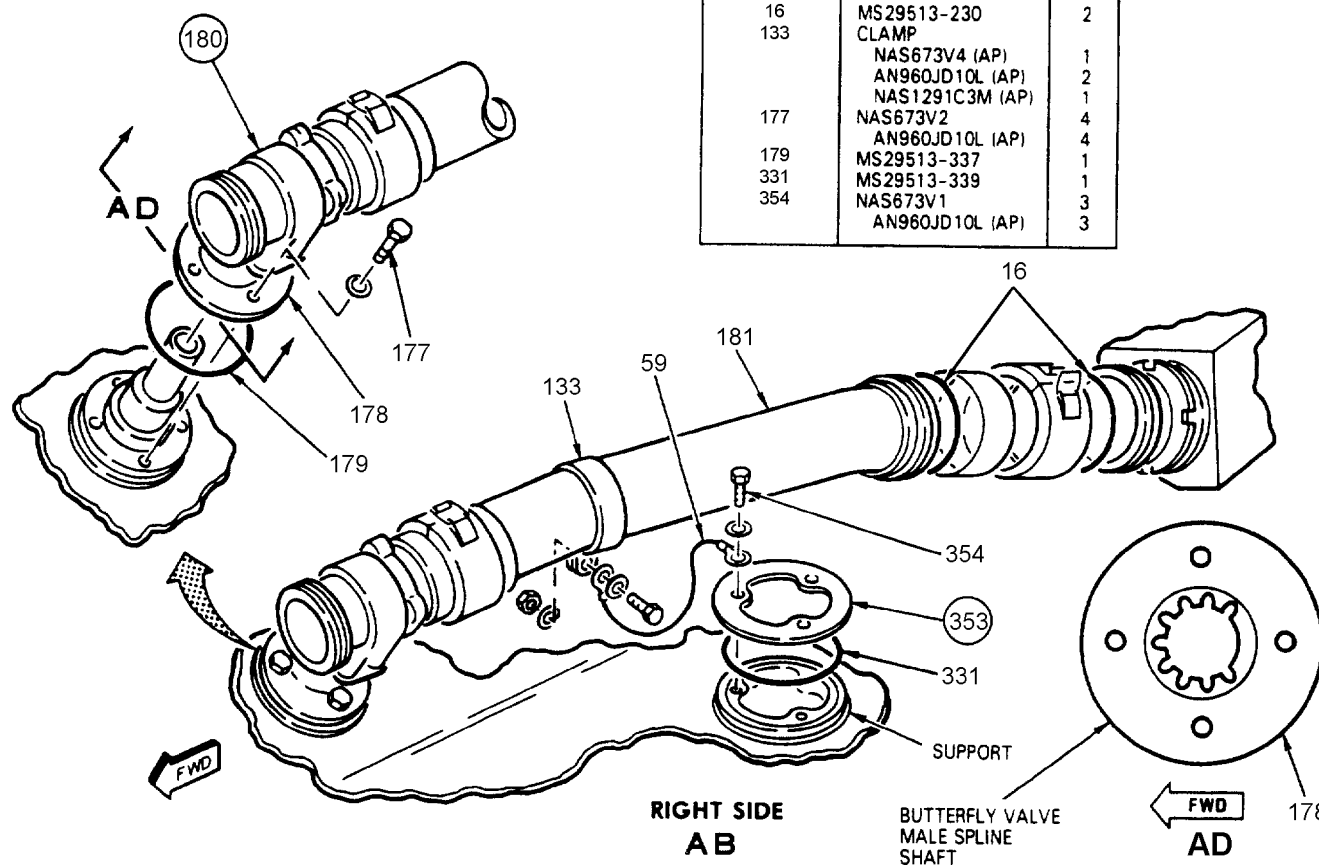


a. Prepare mating surfaces of mount (178), retainer plate (353) and lead (59) for electrical bond (A1-F18AC-LMM-000).

b. Install packings (16, 179 and 331), valve (180), and related parts. Make sure valve (180) is installed with missing teeth on spline shaft pointing AFT (detail AD). Seal bolt (177) threads per WP013 00. (QA)

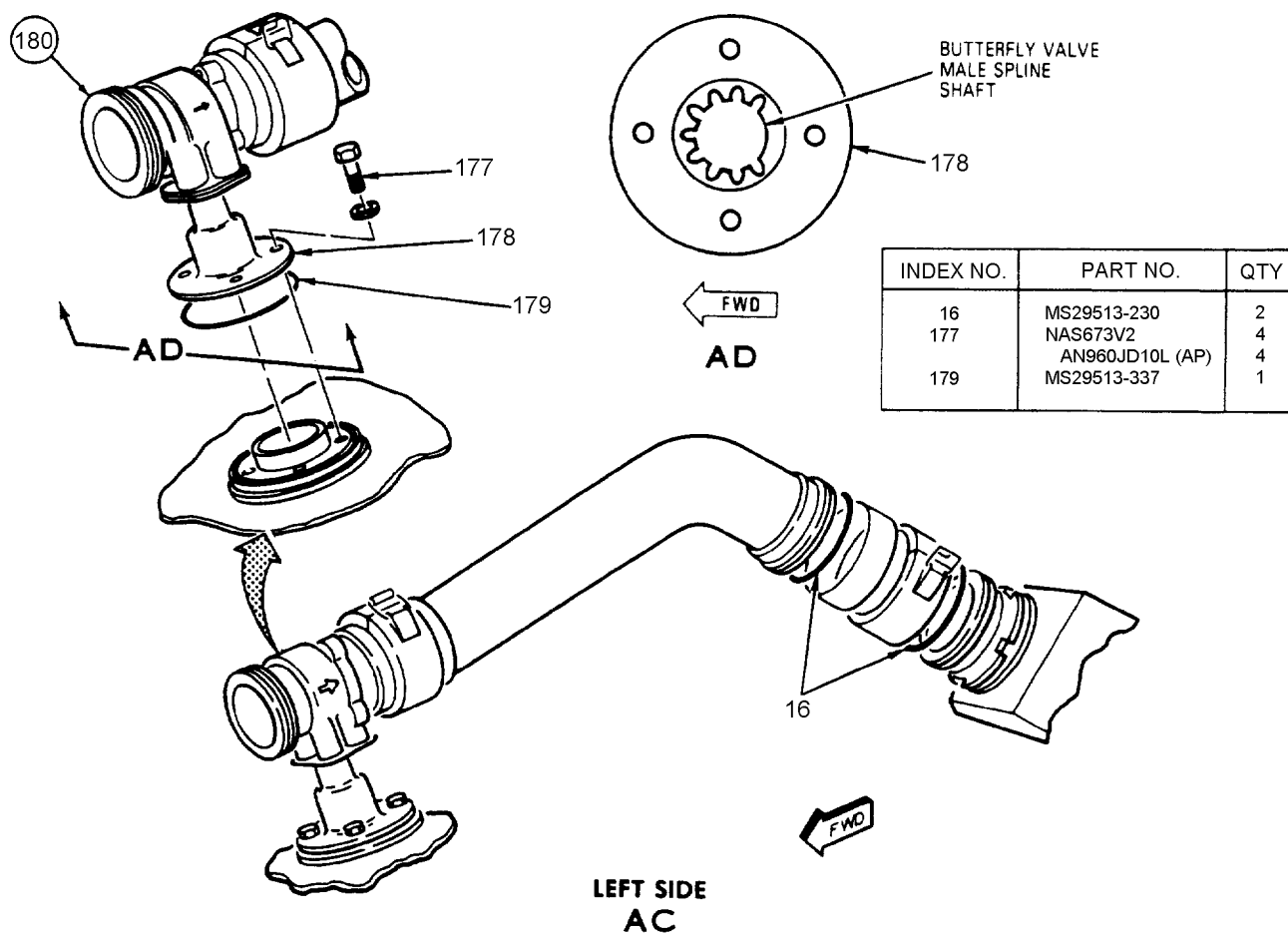
c. Install retainer (353). On 162436 AND UP, prepare mating surfaces of electrical lead (59), retainer (353), clamp (133), and tube (181) for electrical bond (A1-F18AC-LMM-000) and install. Seal bolt (354) threads per WP013 00. (QA)

INDEX NO.	PART NO.	QTY.
16	MS29513-230	2
133	CLAMP	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	1
177	NAS673V2	4
	AN960JD10L (AP)	4
179	MS29513-337	1
331	MS29513-339	1
354	NAS673V1	3
	AN960JD10L (AP)	3



d. Prepare mating surface of mount (178) and structure for electrical bond (A1-F18AC-LMM-000).

e. Install packings (16 and 179), valve (180), and related parts. Make sure valve (180) is installed with missing teeth on spline shaft pointing AFT (detail AD). Seal bolt (177) threads per WP013 00. (QA)



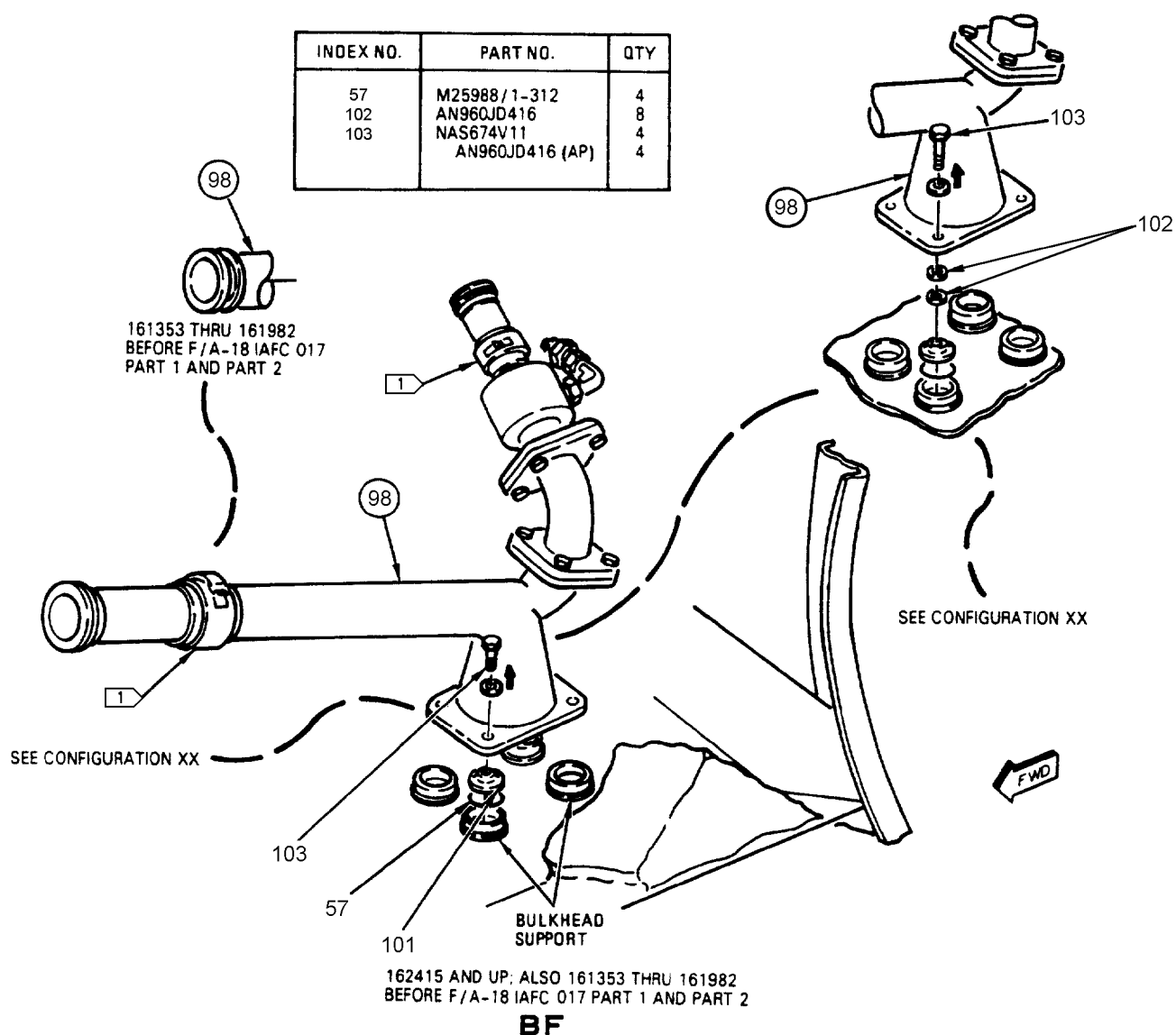
f. Prepare mating surfaces of bulkhead supports, ejector (98) and spacers (101) for electrical bond (A1-F18AC-LMM-000).



On 2760102-103 ejector, two washers (102) must be added under base of ejector at each attach point for correct operation of ejector.

g. On 162415 AND UP; ALSO 161353 THRU 161982 BEFORE F/A-18 IAFC 017 Part 1 and Part 2, install packings (57), spacers (101) ejector (98), bolts (103) and attaching parts.

h. Seal bolts (103) threads per WP013 00). (QA)



CAUTION

On 2760102-103 ejector, two washers (102, detail BF) must be added under base of ejector at each attach point for correct operation of ejector.

i. On 161983 THRU 162414 AND 161742 THRU 161982 AFTER F/A-18 IAFC 017 Part 1, do substeps below:

(1) Install packings (57). Install packing (112) on spacer (111) then install spacers (110 and 111).

(2) Install ejector (98) with bolts (109) and washers. Seal bolt (109) threads per step k. (QA) Install bolt (113) and washer. Seal bolt (113) threads per WP013 00. (QA)

CAUTION

On 2760102-103 ejector, two washers (102) must be added under base of ejector at each attach point for correct operation of ejector.

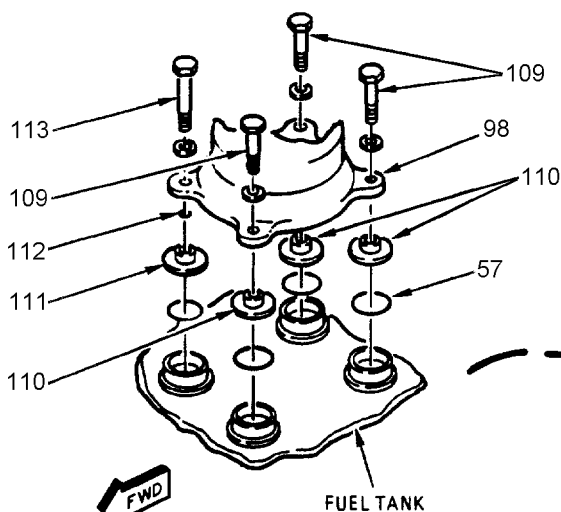
j. On 161353 THRU 161741 AFTER F/A-18 017 Part 2 do substeps below:

(1) Install spacers (105 and 106).

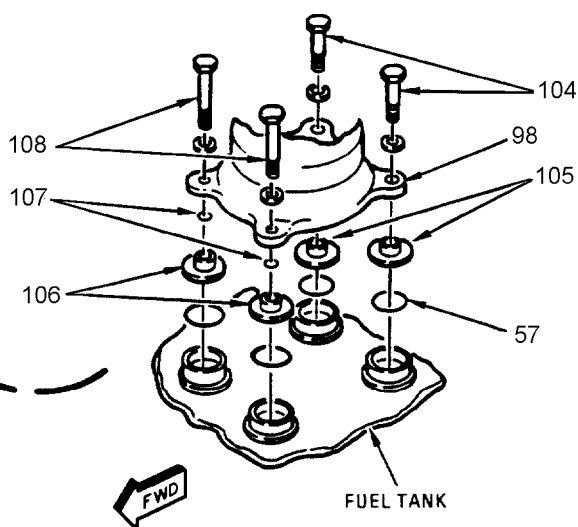
(2) Install packings (107) in spacers (106) and install ejector (98).

(3) Install bolts (104 and 108) and washers. Seal bolt threads per WP013 00. (QA)

INDEX NO.	PART NO.	QTY
57	M25988-1-312	4
104	NAS674V11	2
	AN960JD416L (AP)	2
107	M25988-1-107	2
108	NAS674V22	2
	AN960JD416L (AP)	2
109	NAS674V11	3
	AN960JD416L (AP)	3
112	M25988-1-107	1
113	NAS674V22	1
	AN960JD416L (AP)	1



161983 THRU 162414
ALSO 161742 THRU 161982
AFTER F/A-18 IAFC 017 PART 1



161353 THRU 161741
AFTER F/A-18 IAFC 017 PART 2

CONFIGURATION XX

k. On 161983 THRU 162414; ALSO 161742 THRU 161982 AFTER F/A-18 IACF 017 Part 1, seal bolt (109) threads per substeps below:



Isopropyl Alcohol, TT-I-735

2



Bolts (109) should be sealed at bolt threads to prevent fuel leaks.

(1) Clean bolt threads with cheesecloth moistened in isopropyl alcohol. Wipe with clean, dry cheesecloth before isopropyl alcohol evaporates. Repeat procedure until no visible contamination remains.



Sealing Compound, MIL-S-8802, TY2CLA-1/2

4



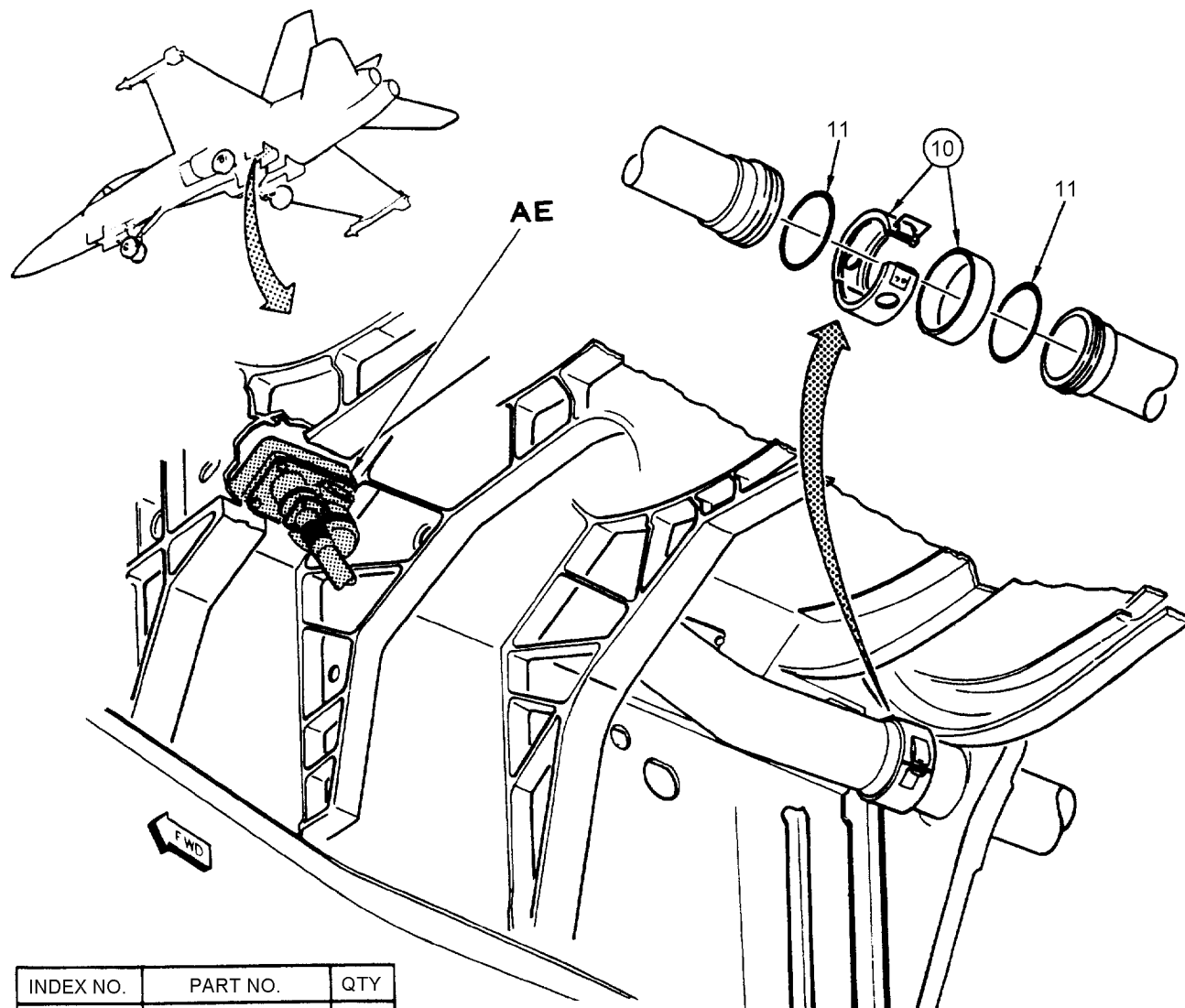
To prevent fuel leaks sealing compound should not contact fuel tank or cavity fitting packing sealing surfaces.

Sealing compound shall be lightly applied to threads of bolt to prevent filling fitting bolt hole full of sealing compound.

(2) Lightly coat threads of bolts (109) with sealing compound, then install bolt.

(3) Remove excess sealing compound with cheesecloth moistened in isopropyl alcohol.

1. Install packings (11), and inspect and install couplings (10) per WP013 00. If applicable, lockwire couplings (10) per WP013 00. (QA)



INDEX NO.	PART NO.	QTY
11	MS29513-230	4

LEFT WHEELWELL SHOWN,
RIGHT WHEELWELL SAME

m. Do substeps below on right and left sides:

(1) Prepare mating surfaces of motor (5) and structure for electrical bond (A1-F18AC-LMM-000).

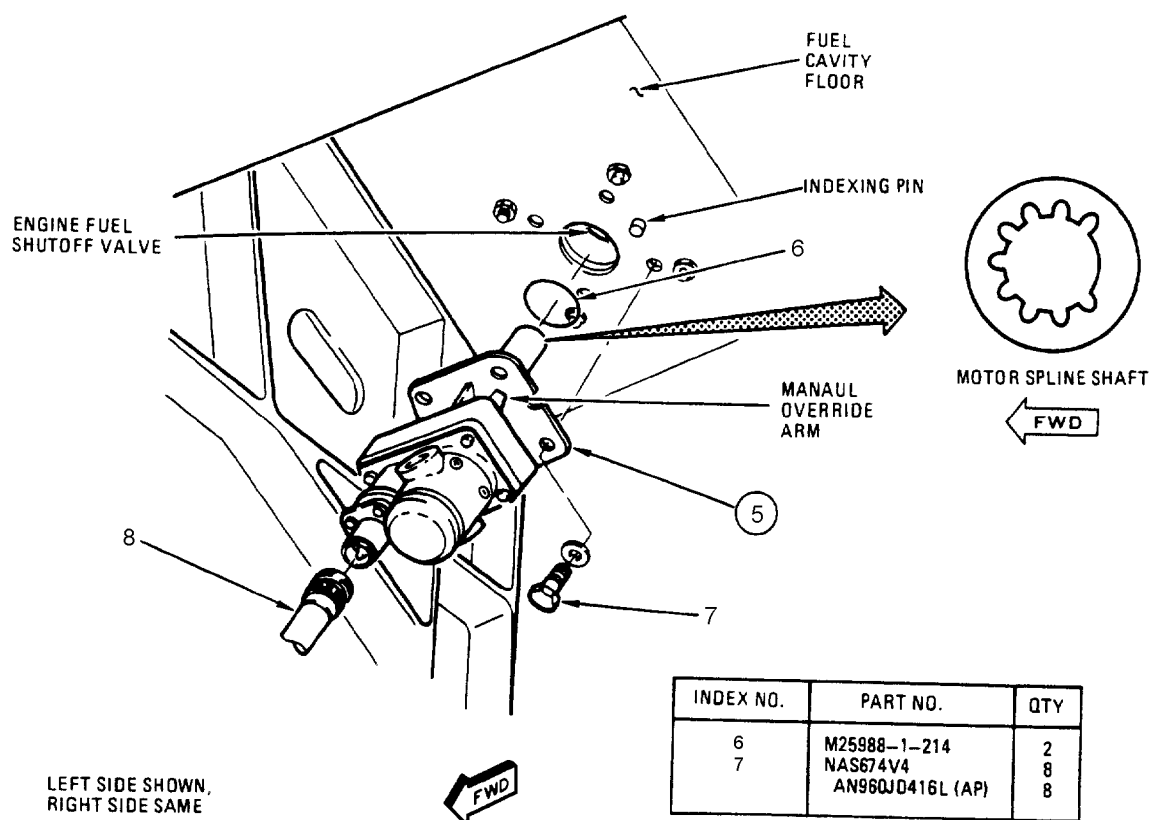


Engine shutoff valve failure may result if motor is not properly mated with engine fuel shutoff valve and flush against fuel cavity floor. Motor will only engage engine fuel shutoff valve one way.

(2) Trial install motor (5) in CLOSED position (missing splines pointing AFT) and without packing (6). If required, adjust motor (5) using manual override arm or motor (5) itself until motor is mated with engine fuel shutoff valve, flush against fuel cavity floor, and correctly aligned against indexing pin.

(3) Being careful not to remove manual override arm, remove motor (5) to install packing (6). Re-install motor (5), engaging shutoff valve and indexing pin, and install bolts (7) and washers.

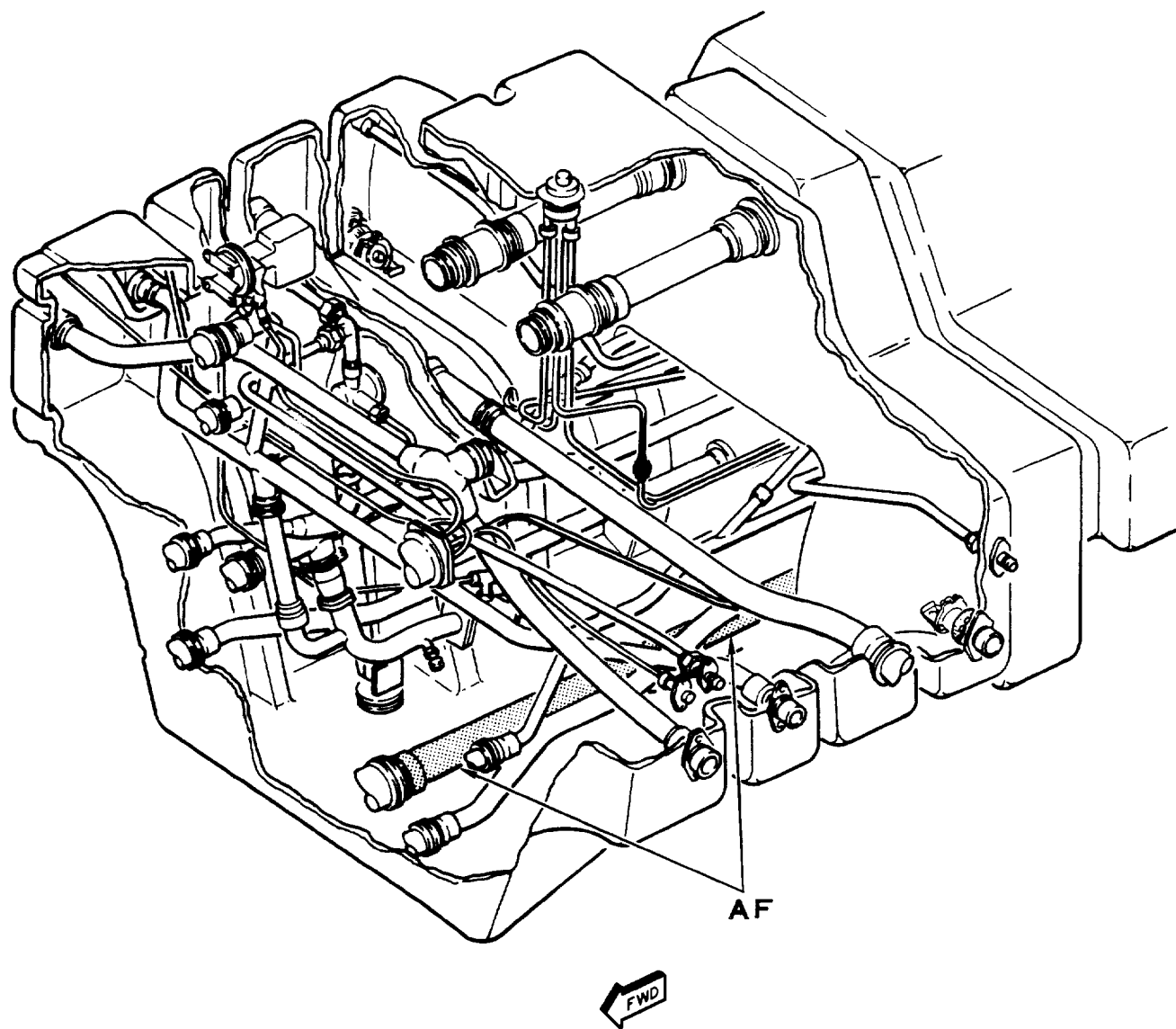
(4) Connect connector (8).



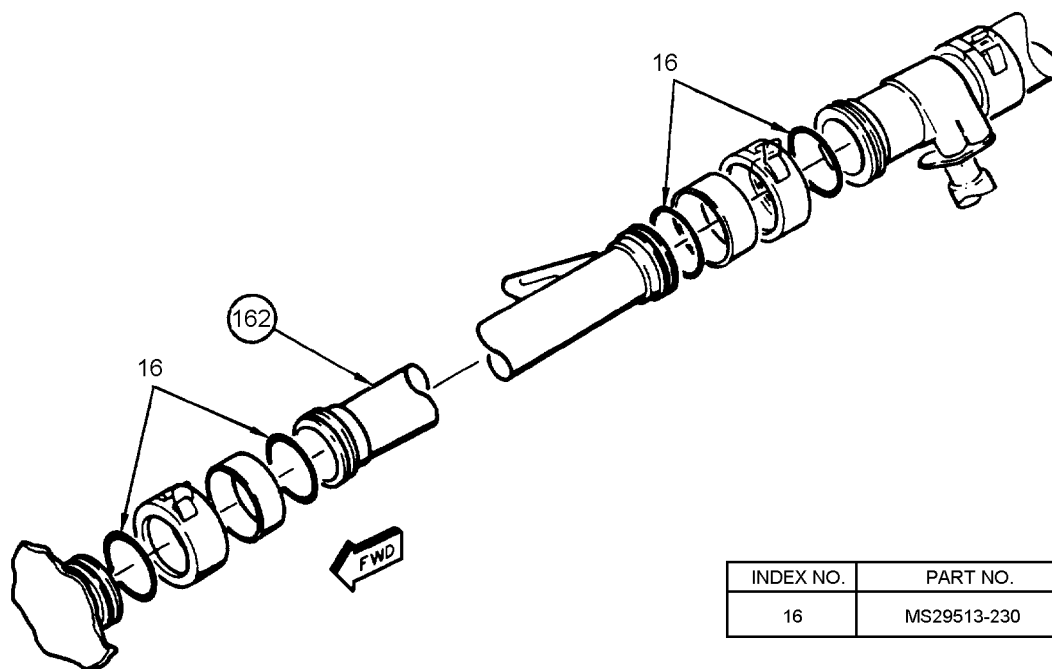
INDEX NO.	PART NO.	QTY
6	M25988-1-214	2
7	NAS674V4	8
	AN960J0416L (AP)	8

AE

12. SEQUENCE 10.



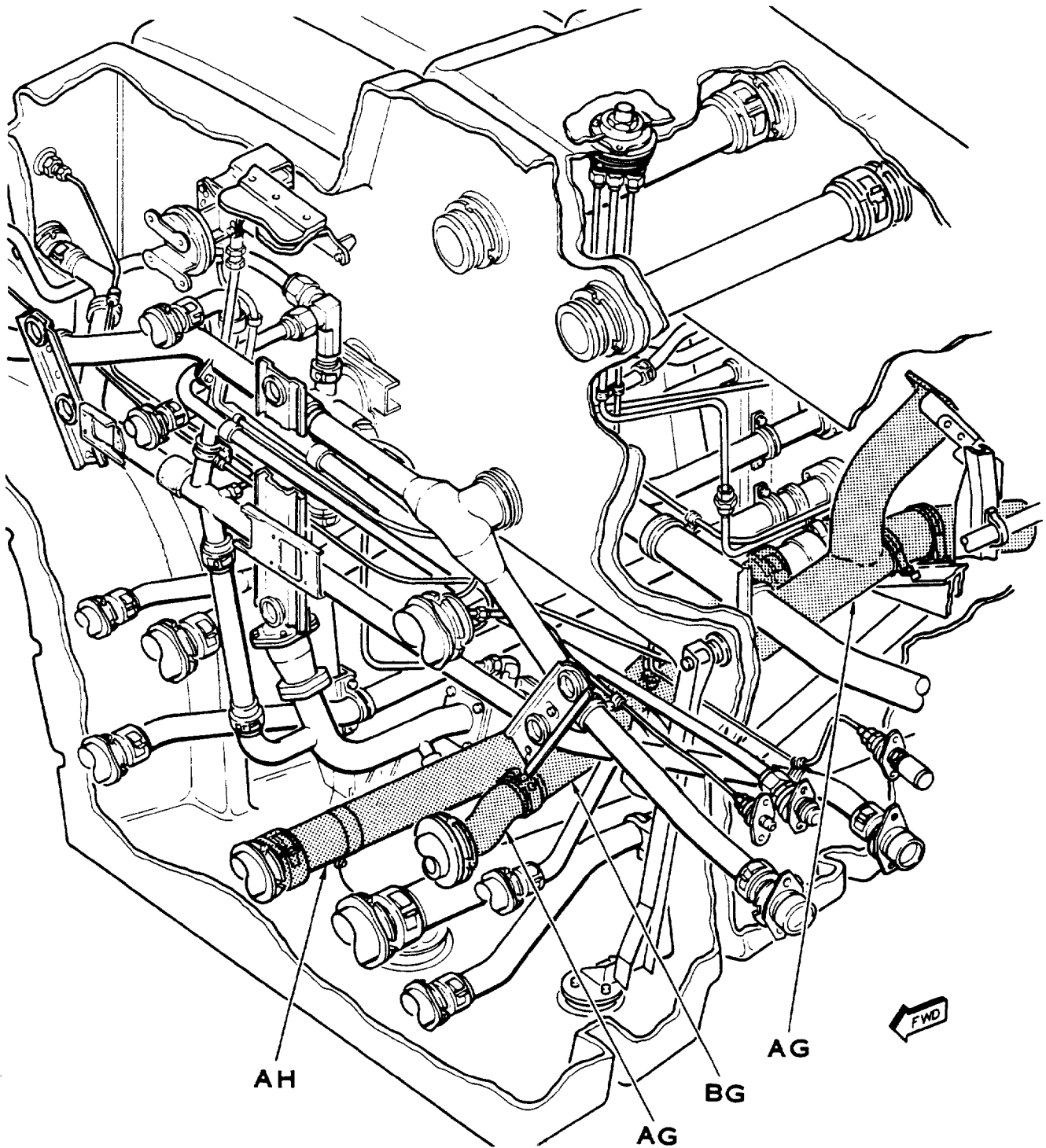
- a. Install packings (16) and tube (162).



INDEX NO.	PART NO.	QTY
16	MS29513-230	4

AF

13. SEQUENCE 11.



a. On 161983 AND UP; ALSO 161353 THRU 161982 AFTER F/A-18 IAFC 017, Part 1 and Part 2, do substeps below:

(1) Prepare mating surfaces of manifold (126) and clamp (140) for electrical bond, (A1-F18AC-LMM-000).

NOTE

Make sure that packing is fully seated in groove of retainer over the full circumference.

Make sure aft end of manifold overlaps aft tube by a minimum of 0.40 inch (view BJ).

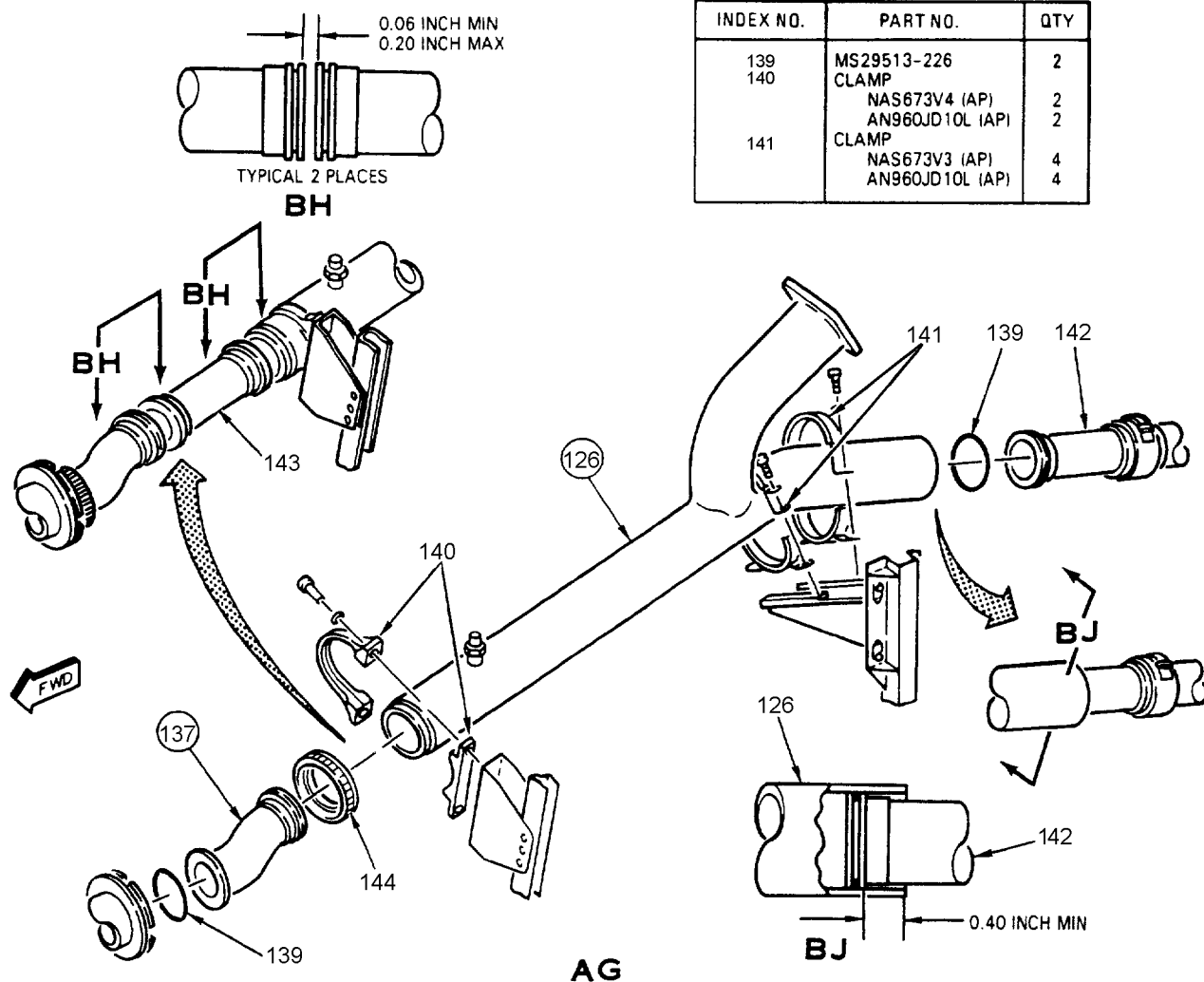
(2) Install packings (139) tub (137) and coupling nut (144) loosely.

(3) Install manifold (126) with clamps (140 and 141).

(4) Hold forward tube (143) in place and inspect gap at each end (view BH). Adjust manifold (126) if necessary.

(5) Reinspect overlap of aft tube (142) at end of manifold (126, view BJ) if required.

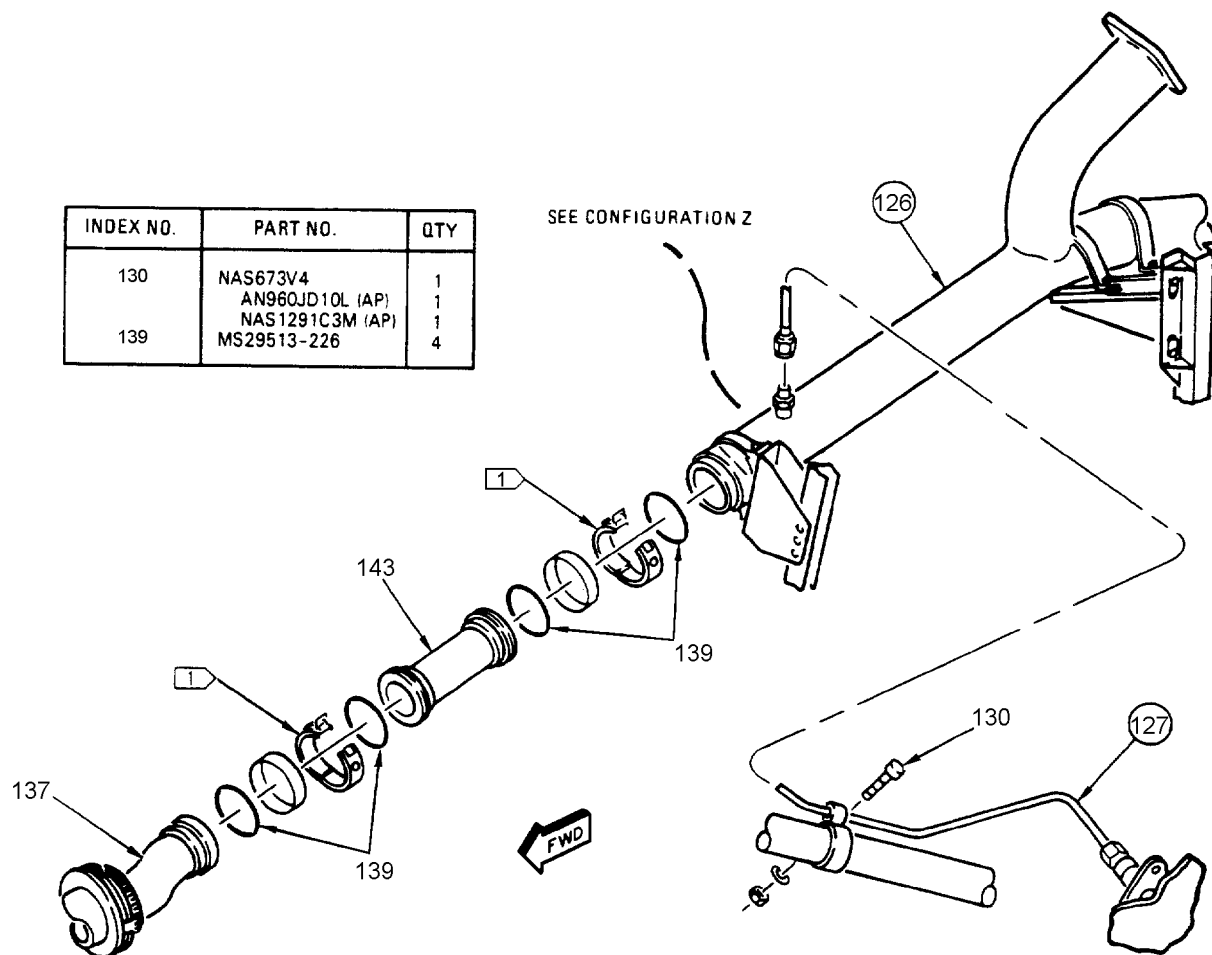
(6) Handtighten nut assembly (144) after other tubes are properly aligned and installed.



(7) Install couplings, packings (139) and forward tube (142).

(8) Install tube (127) and bolt (130) and attaching parts.

INDEX NO.	PART NO.	QTY
130	NAS673V4	1
	AN960JD10L (AP)	1
	NAS1291C3M (AP)	1
139	MS29513-226	4



b. On 161353 THRU 161982 BEFORE F/A-18
IAFC 017 Part 1 and Part 2, do substeps below:

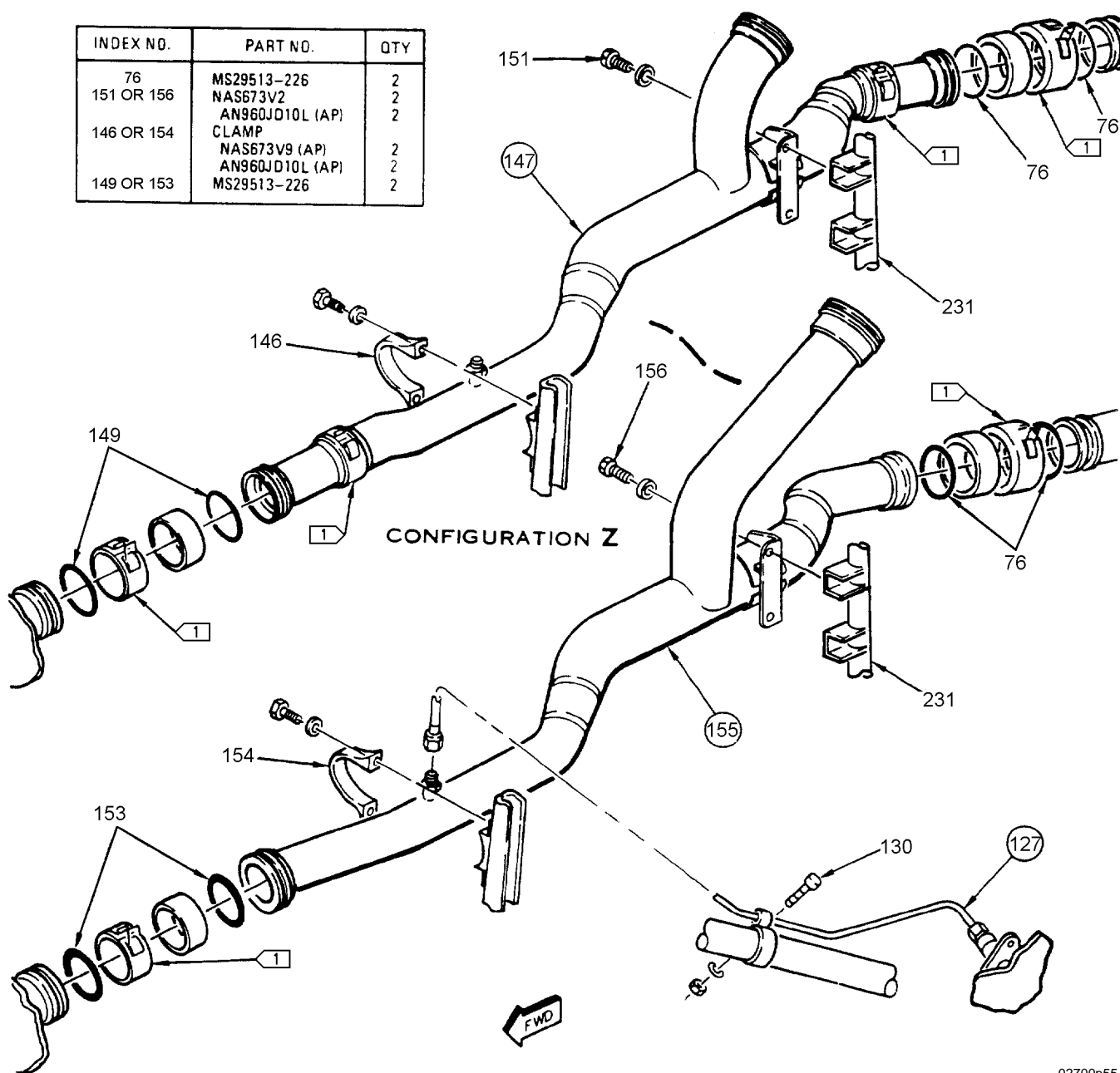
(1) Prepare mating surfaces of manifold (147 or 155) and support (231) for electrical bond (A1-F18AC-LMM-000).

(2) Install packings (149 or 153) and manifold (147 or 155) with related parts.

(3) Install tube (127).

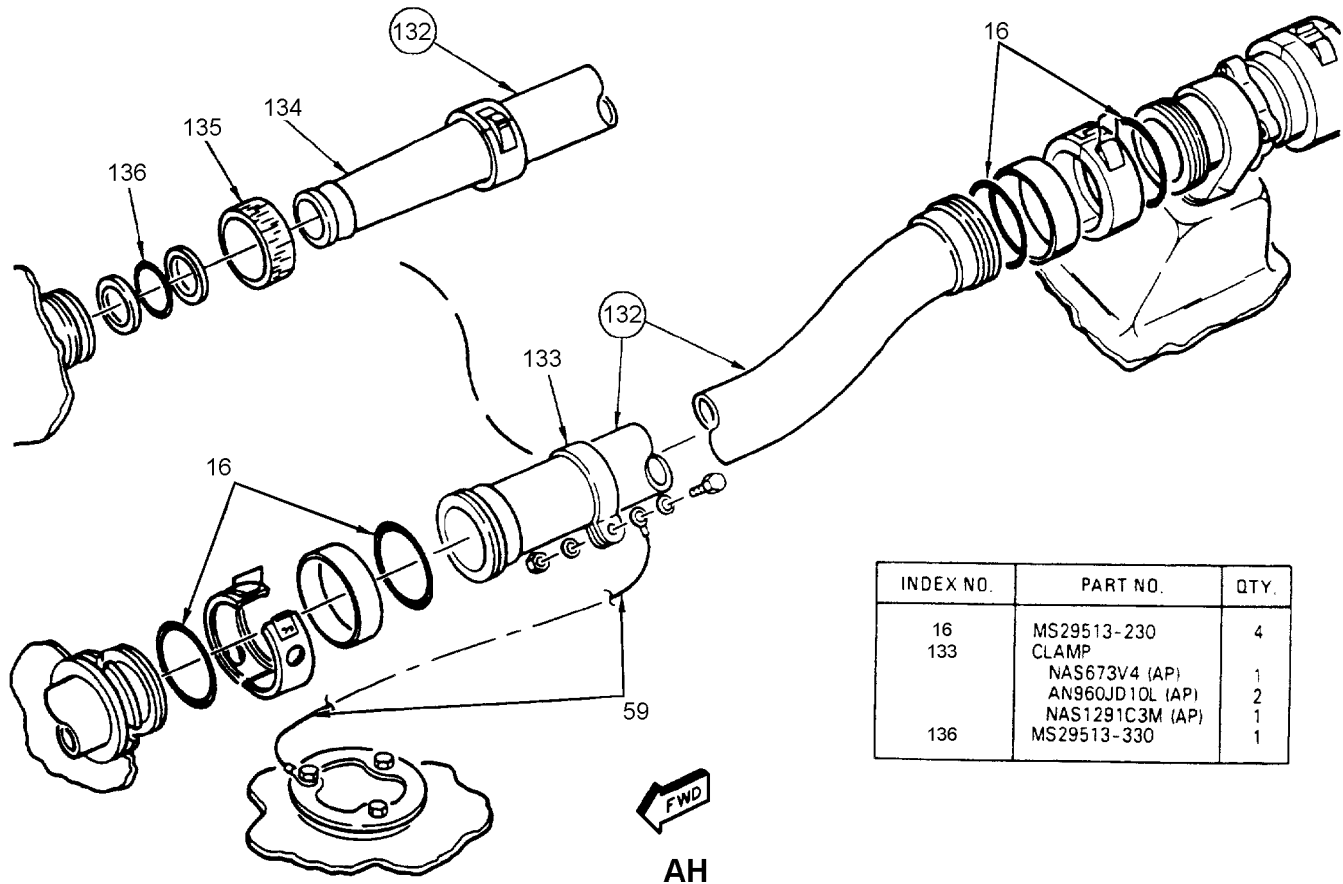
(4) Install clamp (146 or 154), bolts (151 or 156) and (130) and attaching parts.

INDEX NO.	PART NO.	QTY
76	MS29513-226	2
151 OR 156	NAS673V2	2
	AN960JD10L (AP)	2
146 OR 154	CLAMP	
	NAS673V9 (AP)	2
	AN960JD10L (AP)	2
149 OR 153	MS29513-226	2



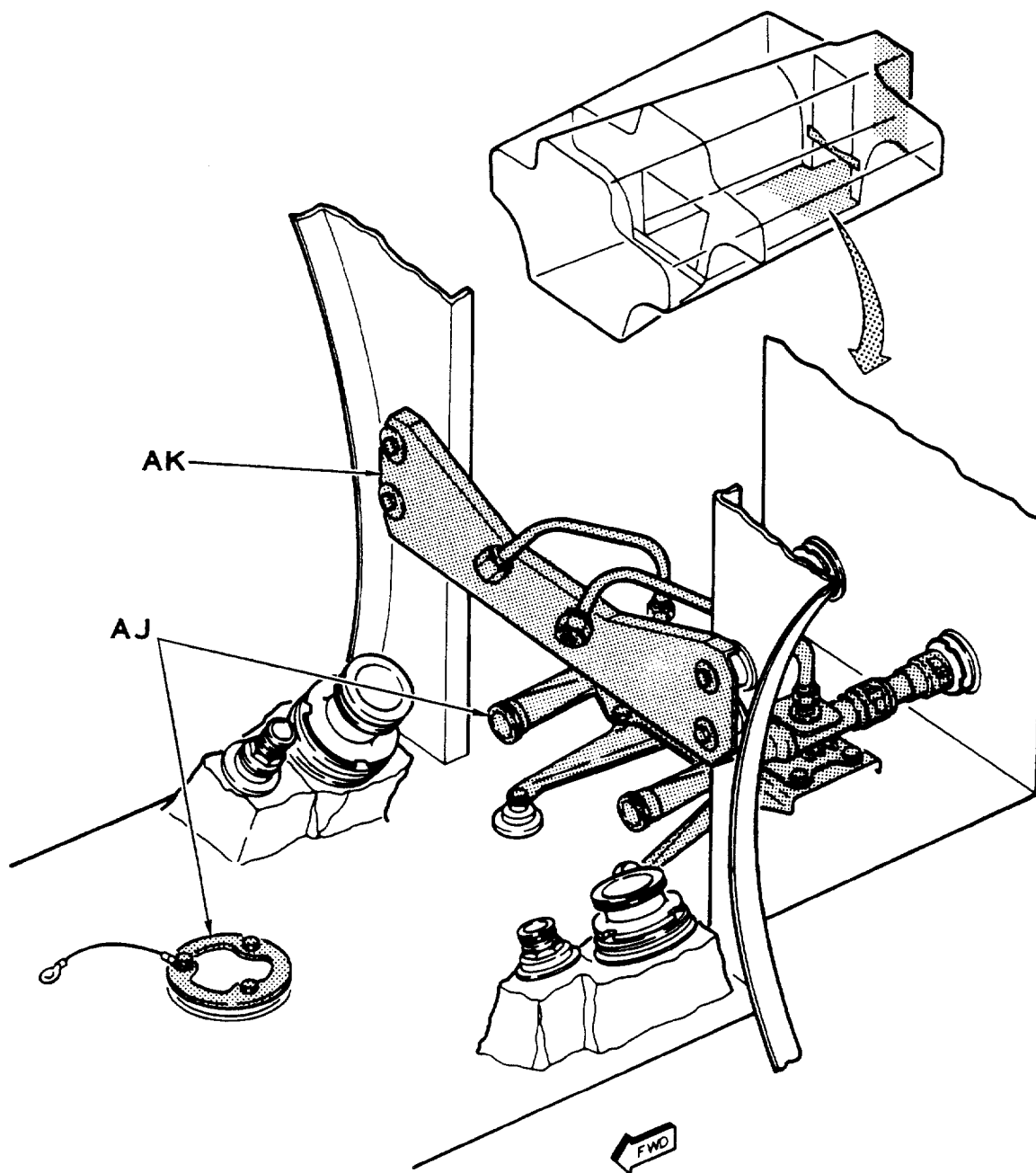
c. Install packings (16 and 136) and tubes (132 and 134), as applicable. Tighten nut assembly (135) handtight.

d. On 162436 AND UP, prepare mating surfaces of lead (59), clamp (133) and tube (132) for electrical bond (A1-F18AC-LMM-000) and install.



INDEX NO.	PART NO.	QTY
16	MS29513-230	4
133	CLAMP	
	NAS673V4 (AP)	1
	AN960JD 10L (AP)	2
	NAS1291C3M (AP)	1
136	MS29513-330	1

14. SEQUENCE 12.



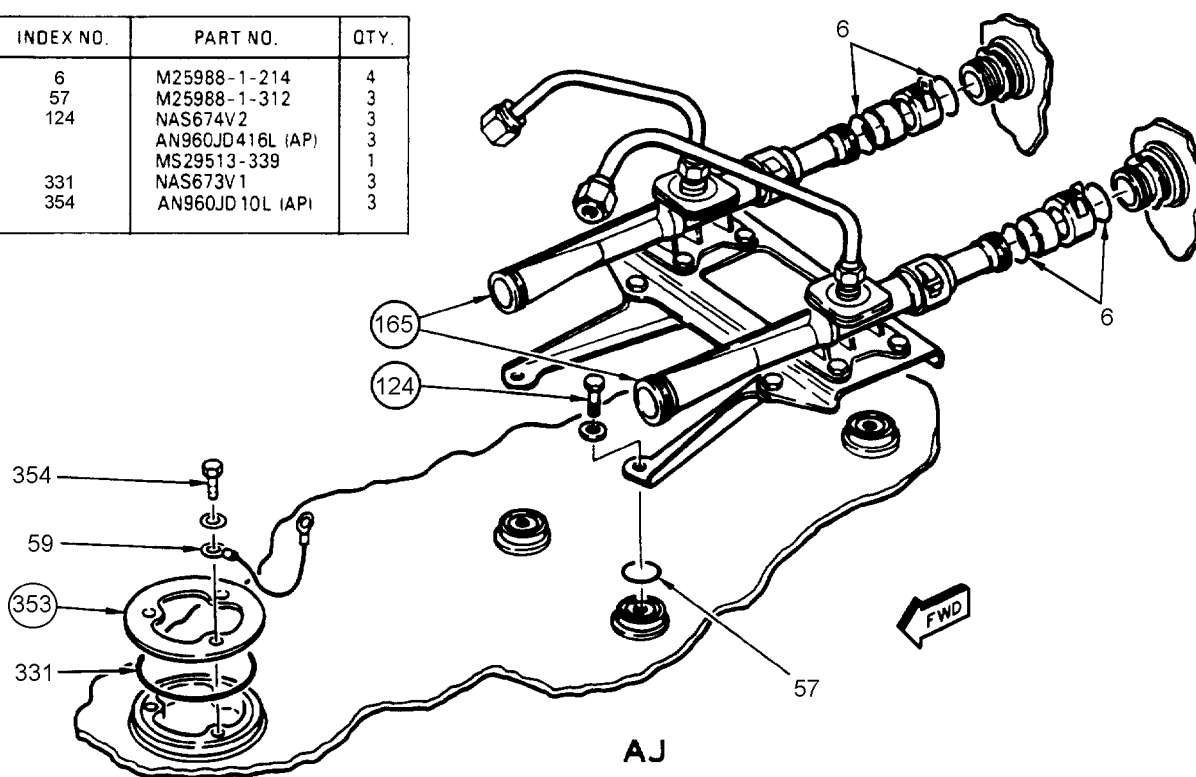
a. Install packings (6 and 57), ejectors (165) and related parts. Seal bolt (124) threads per WP013 00. (QA)

b. Prepare mating surfaces of retainer (353), lead (59), bulkhead support and bracket (168) for electrical bond (A1-F18AC-LMM-000).

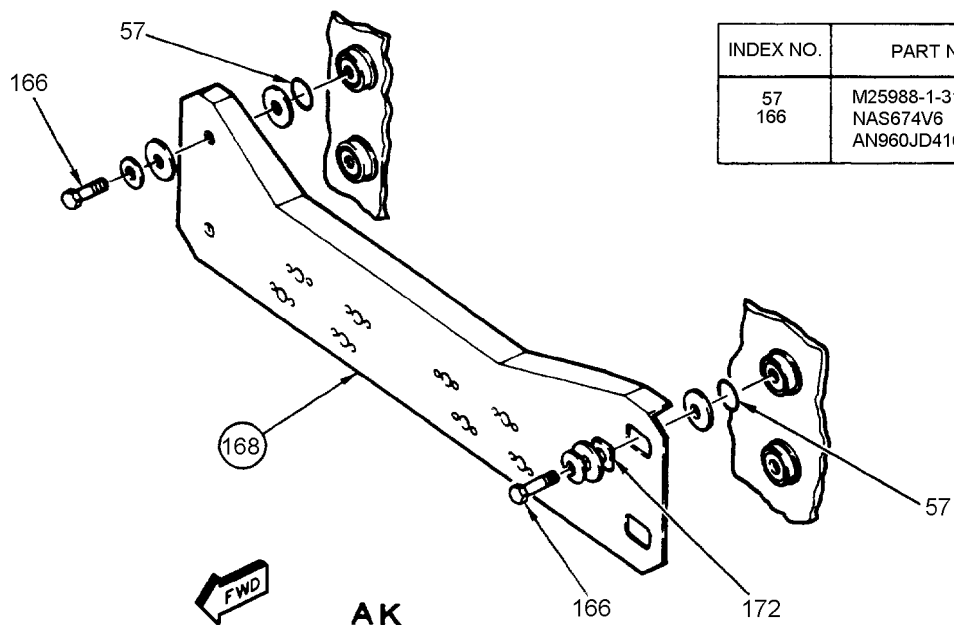
c. On 162436 AND UP, install electrical lead (59) with retainer (353).

d. Install packings (331) and retainer (353). Seal bolt (354) threads per WP013 00. (QA)

INDEX NO.	PART NO.	QTY.
6	M25988-1-214	4
57	M25988-1-312	3
124	NAS674V2	3
	AN960JD416L (AP)	3
	MS29513-339	1
331	NAS673V1	3
354	AN960JD 10L (API)	3

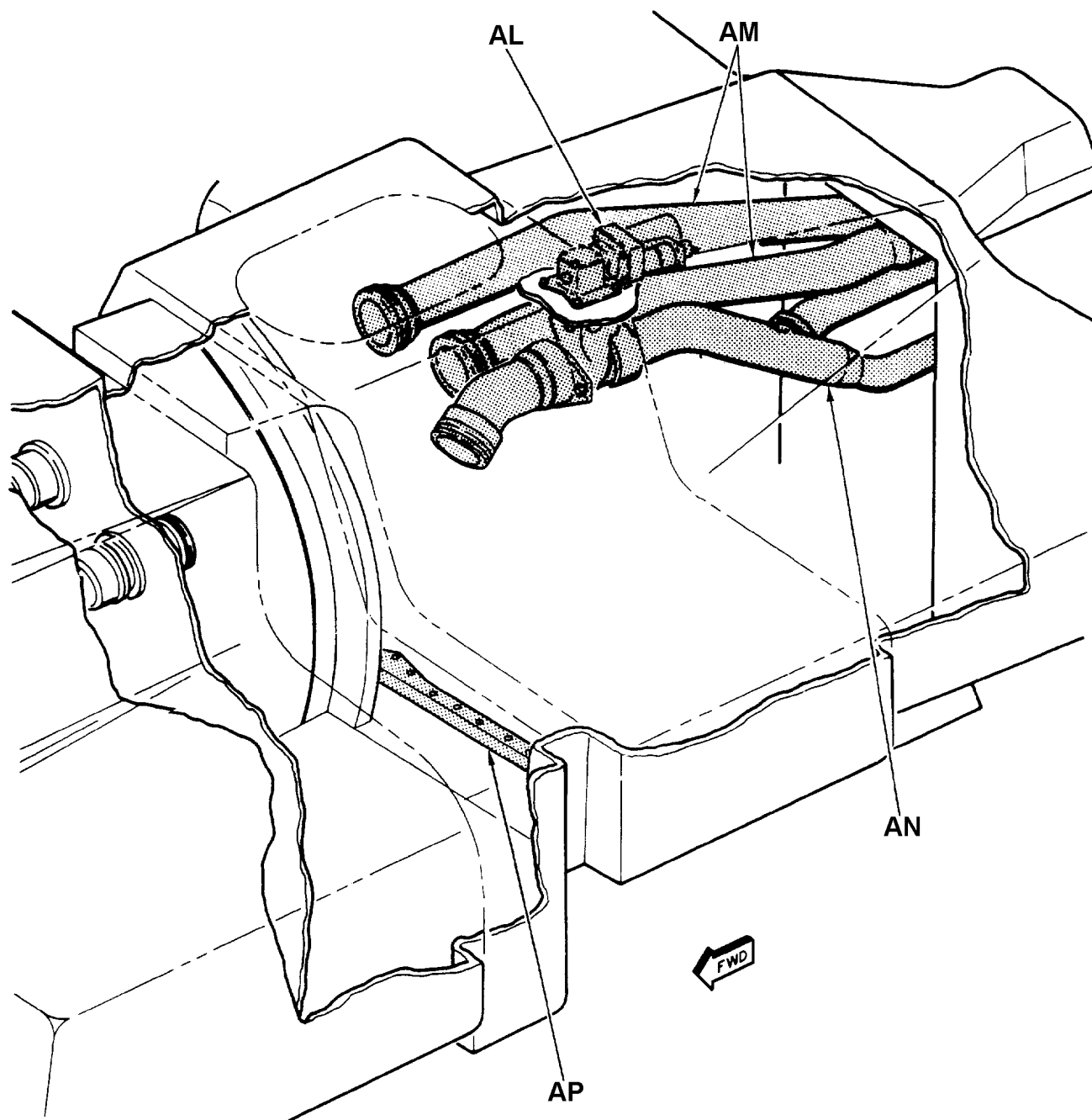


e. Install packings (57), bracket (168), spacers (172) and related parts. Seal bolt (166) threads per WP013 00. (QA)



INDEX NO.	PART NO.	QTY
57	M25988-1-312	4
166	NAS674V6	4
	AN960JD416L (AP)	4

15. SEQUENCE 13.



a. Prepare mating surfaces of valve (307), motor (382), plate (309) and structure electrical bond (A1-F18AC-LMM-000).

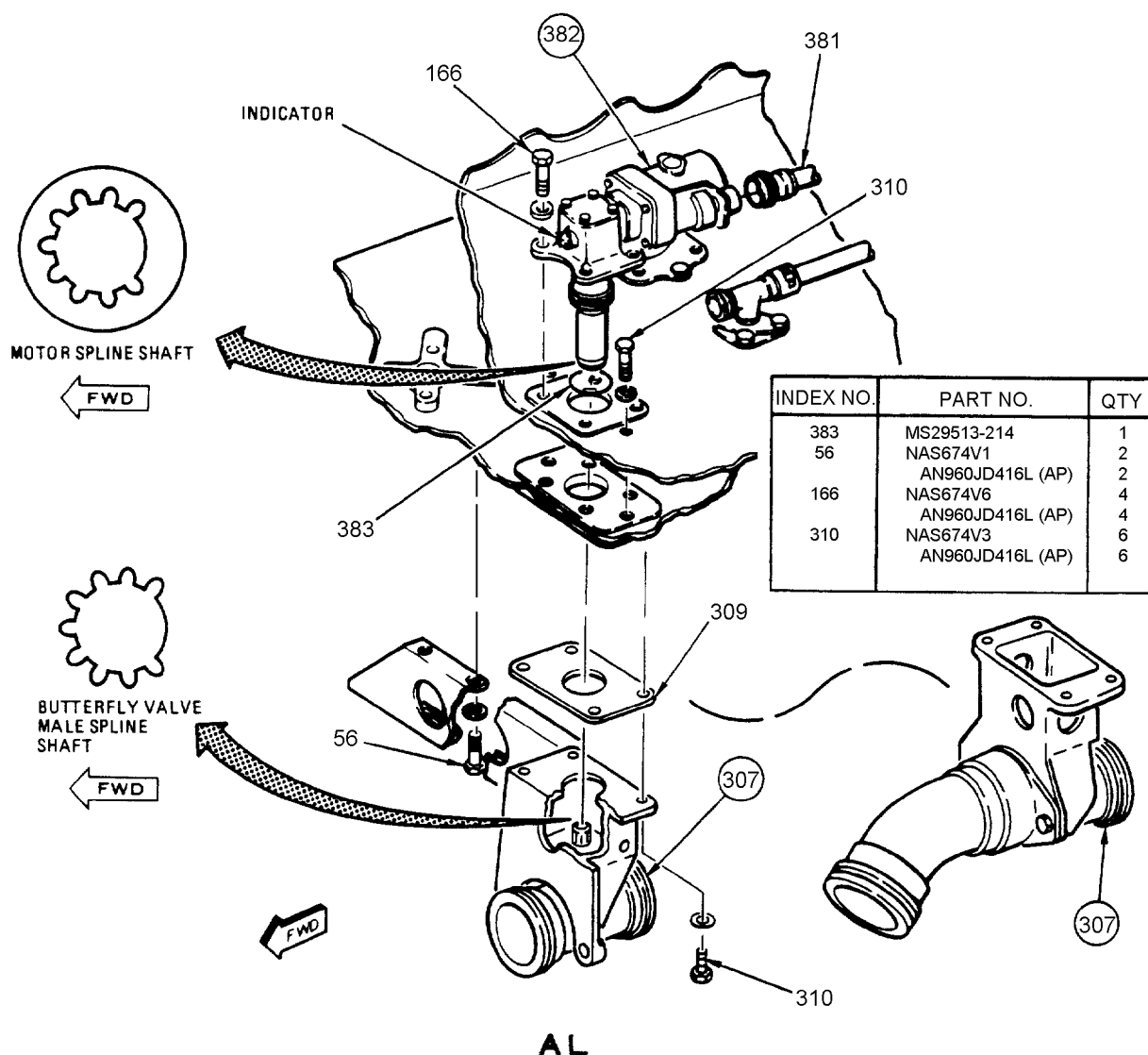
b. Install valve (307) and related parts. Make sure valve is installed with missing spline teeth on shaft pointing AFT.



Dump valve failure may result if motor and valve are not properly mated. Motor will only engage butterfly valve one way.

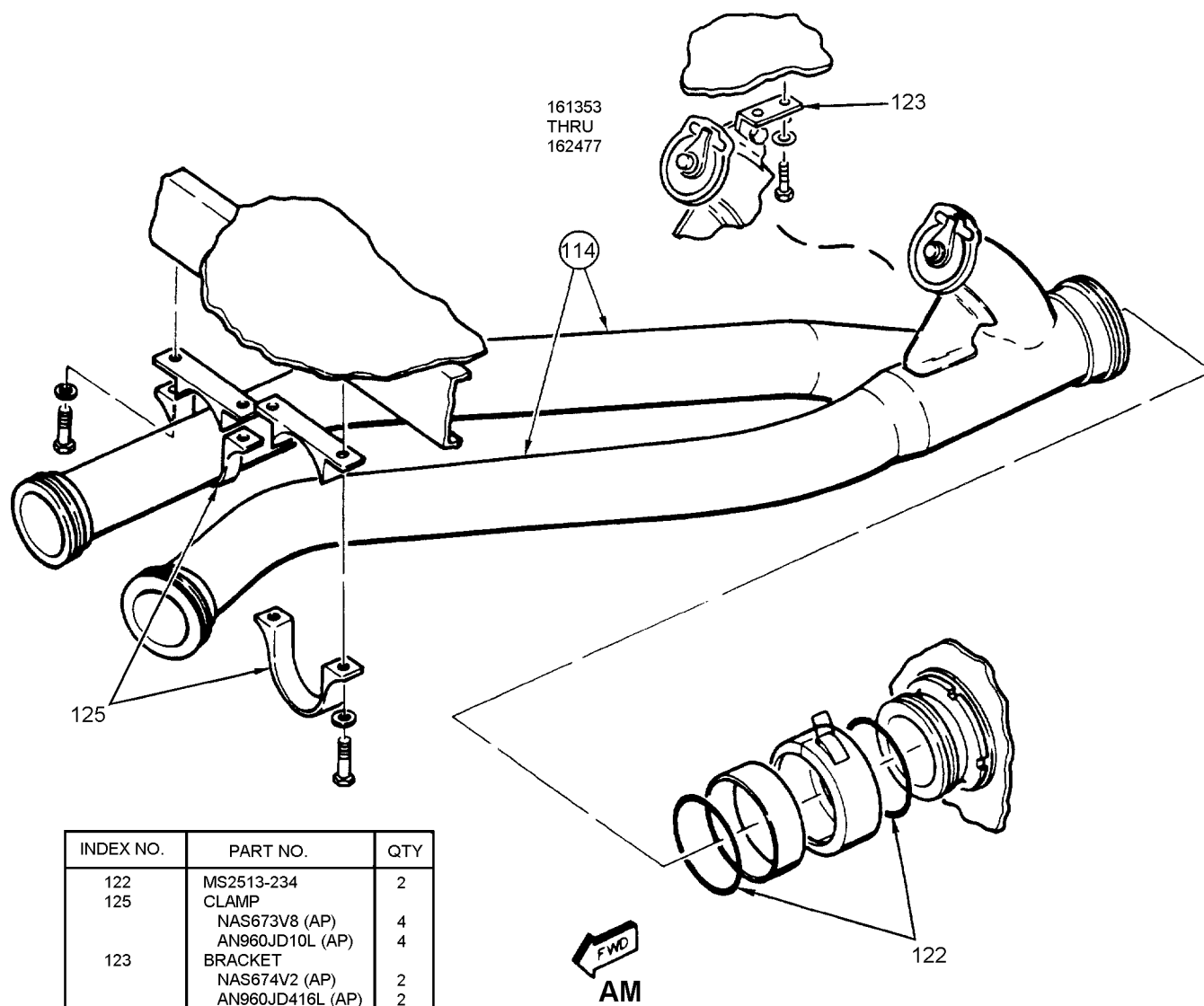
c. Trial install motor (382) in CLOSED position (missing splines point AFT) and without packing (383). If required, adjust motor (382) using motor (382) itself until motor (382) is mated with valve (307) and flush against dorsal deck.

d. Being careful not to move indicator, remove motor (382) to install packing (383). Re-install motor (382), engaging butterfly valve (307) then install bolts (56, 166 and 310) and related parts. Connect connector (381).



e. Install packings (122), manifold (114), clamps (125) and attaching parts.

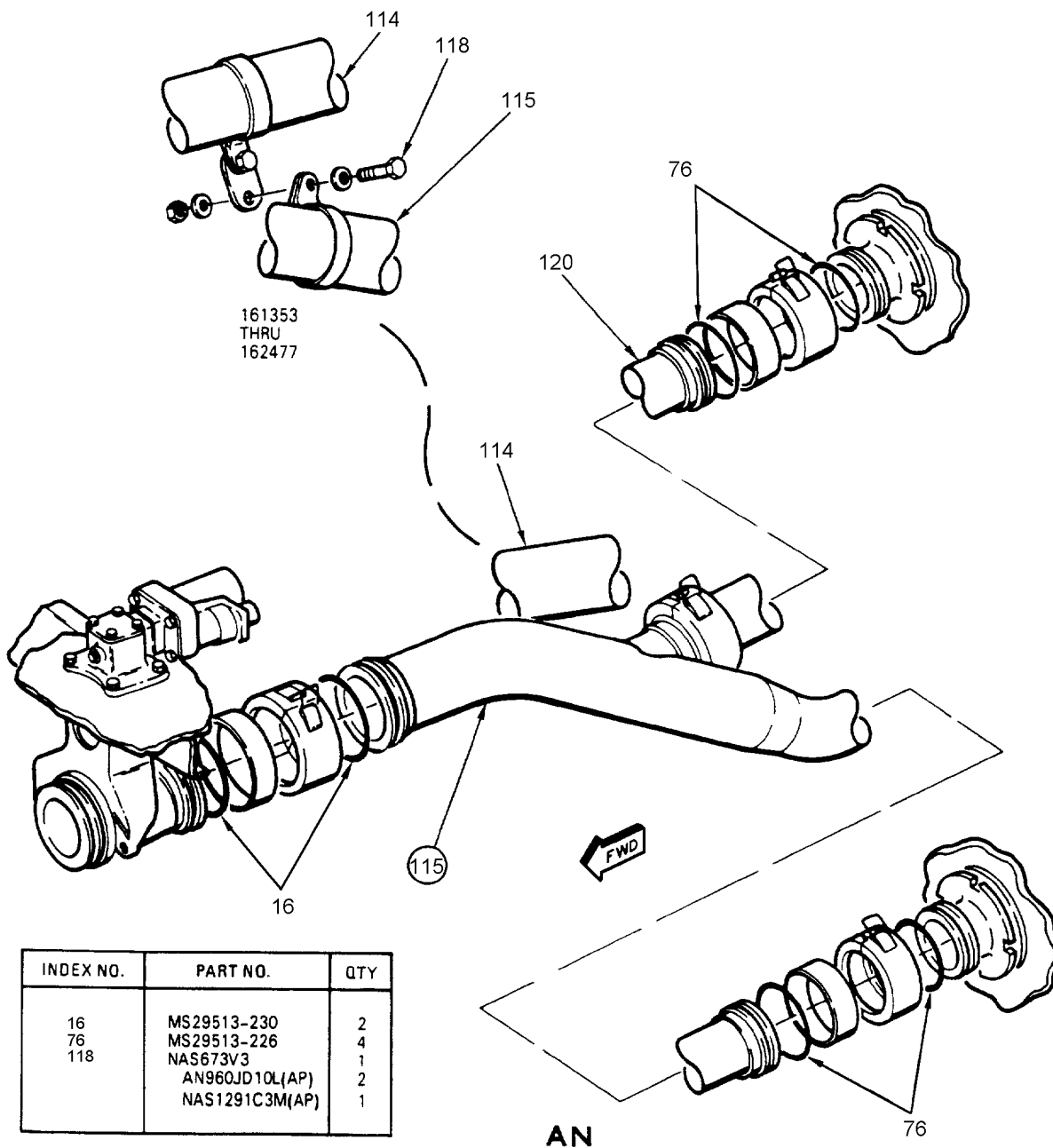
f. On 161353 THRU 162477 install bracket (123) and attaching parts.



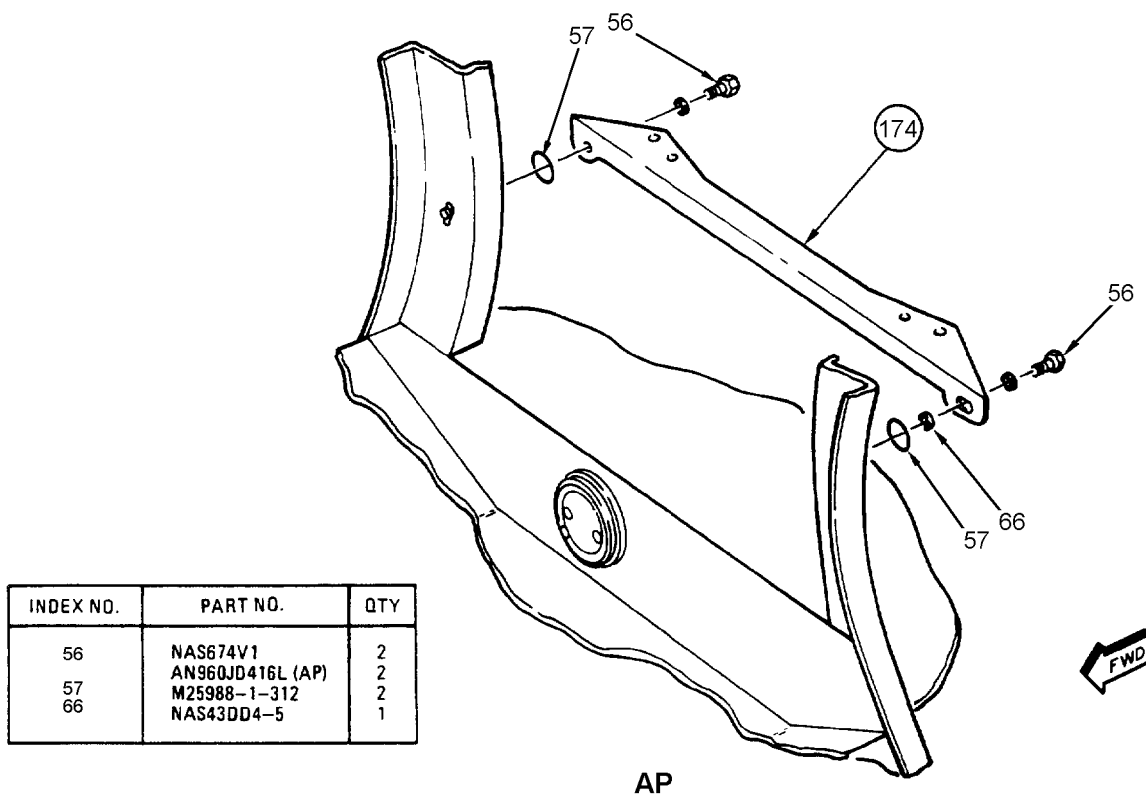
INDEX NO.	PART NO.	QTY
122	MS2513-234	2
125	CLAMP	
	NAS673V8 (AP)	4
	AN960JD10L (AP)	4
123	BRACKET	
	NAS674V2 (AP)	2
	AN960JD416L (AP)	2

g. Install packings (16 and 76), manifold (115) and tube (120).

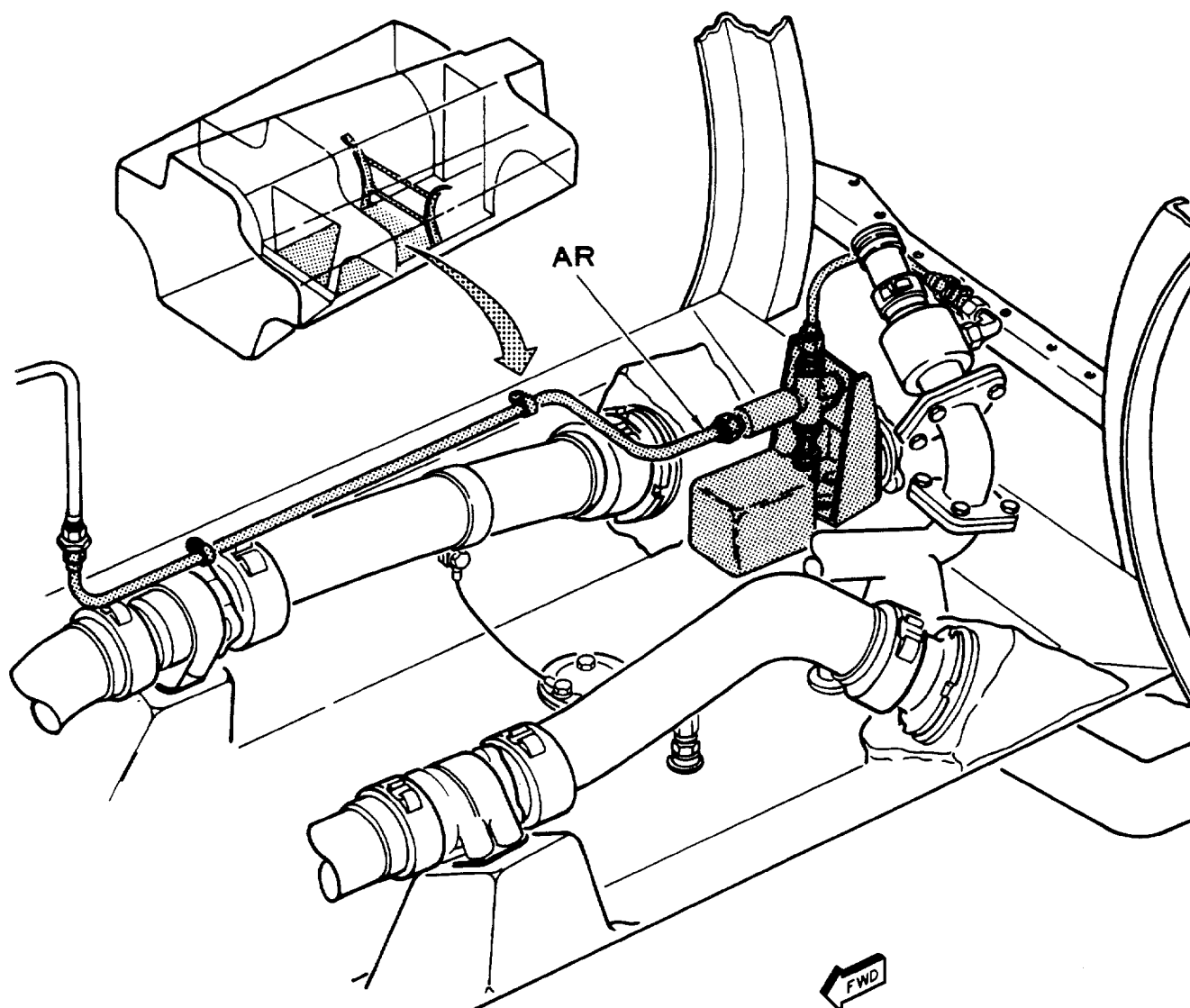
h. On 16353 THRU 162477 install bolt (118) and attaching parts.



i. Install packings (57), support (174), spacer (66), bolts (56) and washers. Seal bolt (56) threads per WP013 00. (QA)



16. SEQUENCE 14.

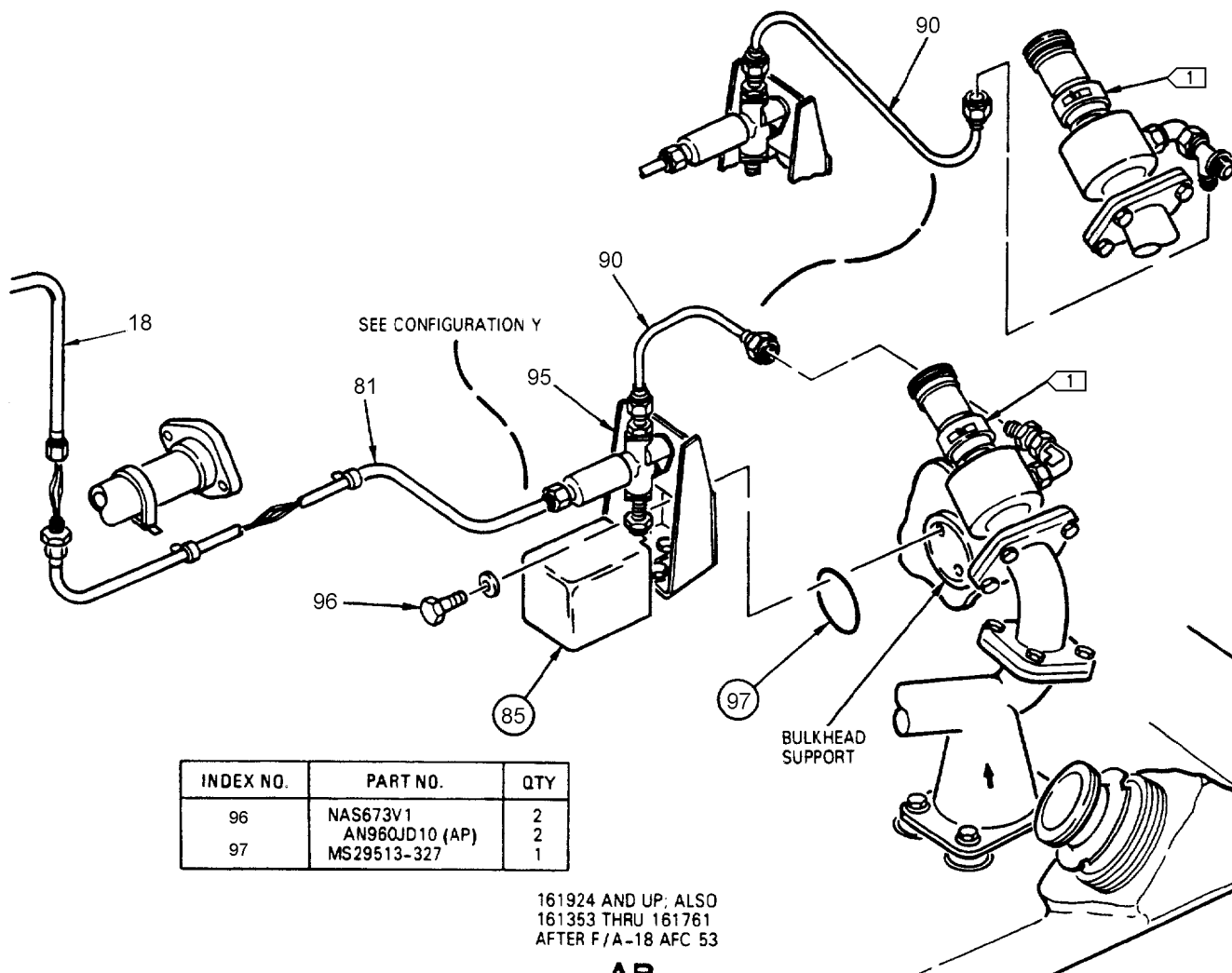


a. On 161924 AND UP, ALSO 161353 THRU 161761 AFTER F/A-18 AFC 53, do substeps below:

(1) Prepare mating surfaces of bulkhead support, and bracket (95), for electrical bond (A1-F18AAC-LMM-000).

(2) Install packing (97), valve (85) with bracket (95) and related parts. Untie lacing tape from tube (18) and tie to wires of tube (81), then carefully pull wires through tube (18) and remove string. Seal bolt (96) threads per WP013 00. (QA)

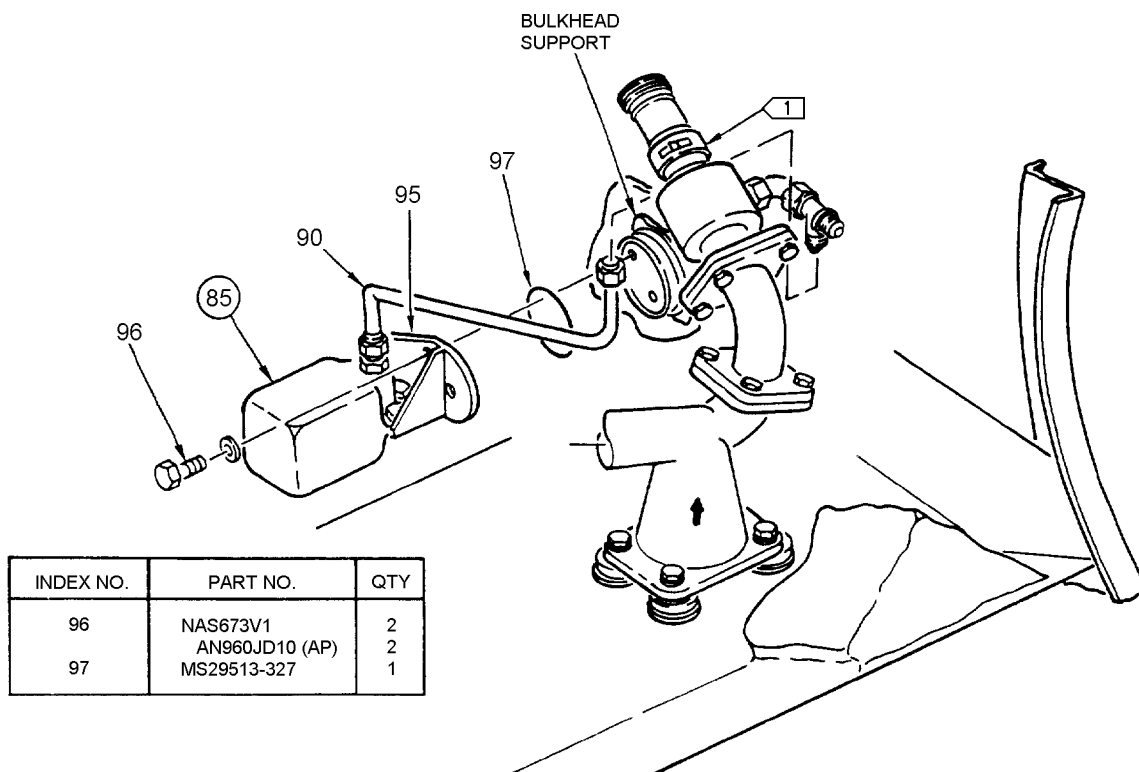
(3) Connect tube (18) to tube (81) and connect tube (90). Torque tube (18) 75 to 140 inch-pounds. (QA)



b. On 161353 THRU 161761 BEFORE F/A-18 AFC 53, do substeps below:

(1) Prepare mating surfaces of bulkhead support, and support (95), for electrical bond (A1-F18AC-LMM-000).

(2) Install packing (97), valve (85), related parts and connect tube (90). Seal bolt (96) threads per WP013 00. (QA)



INDEX NO.	PART NO.	QTY
96	NAS673V1	2
	AN960JD10 (AP)	2
97	MS29513-327	1

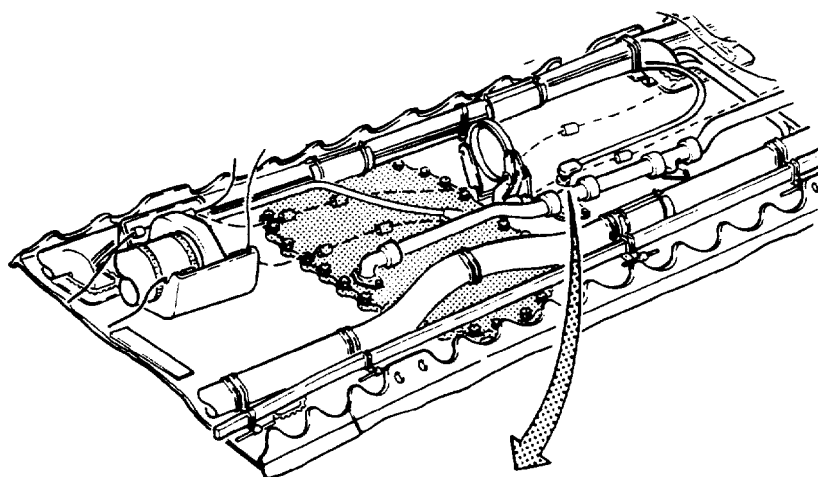
161353 THRU 161761
BEFORE F/A-18 AFC 53

CONFIGURATION Y

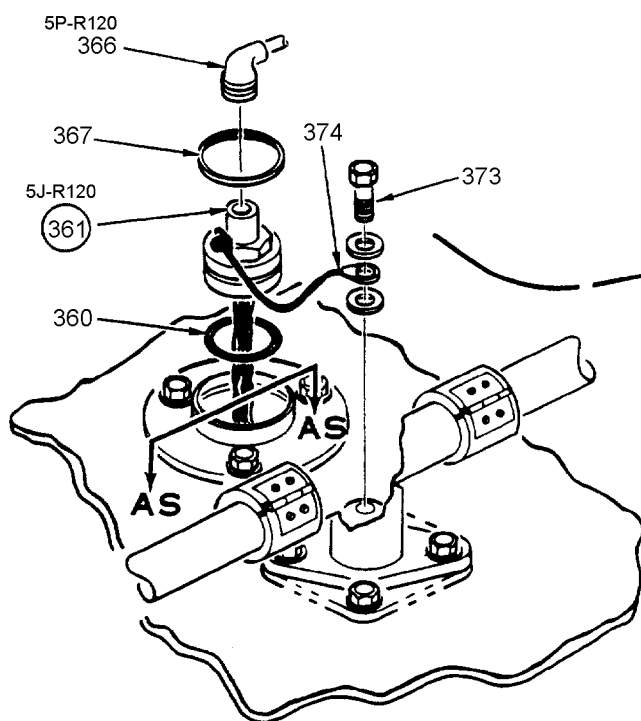
c. Connect wires to receptacle (361, detail AS). (See next page for schematic).

d. Install packing (360), receptacle (361) assembly and retaining ring (367). Connect connector (366).

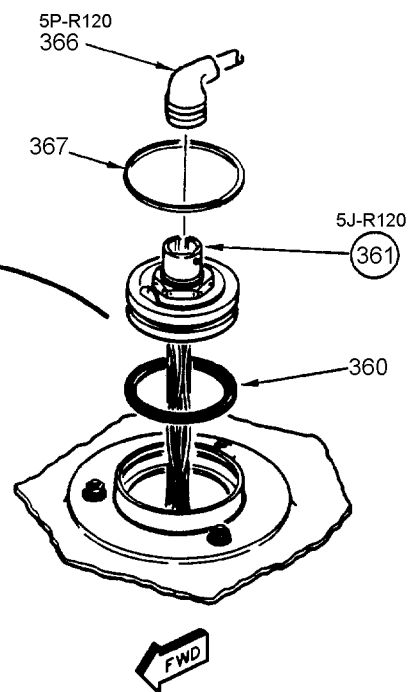
e. On 163146 AND UP, connect lead (374) and bolt (373) and attaching parts.

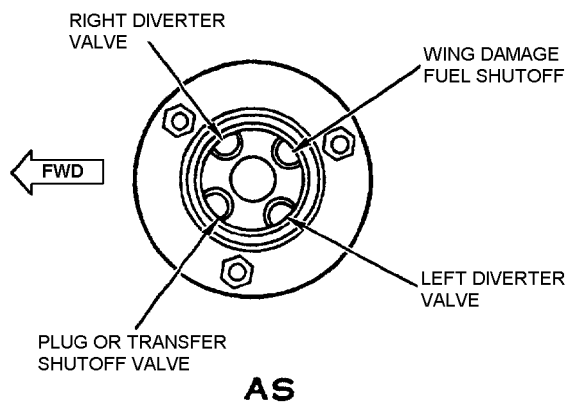
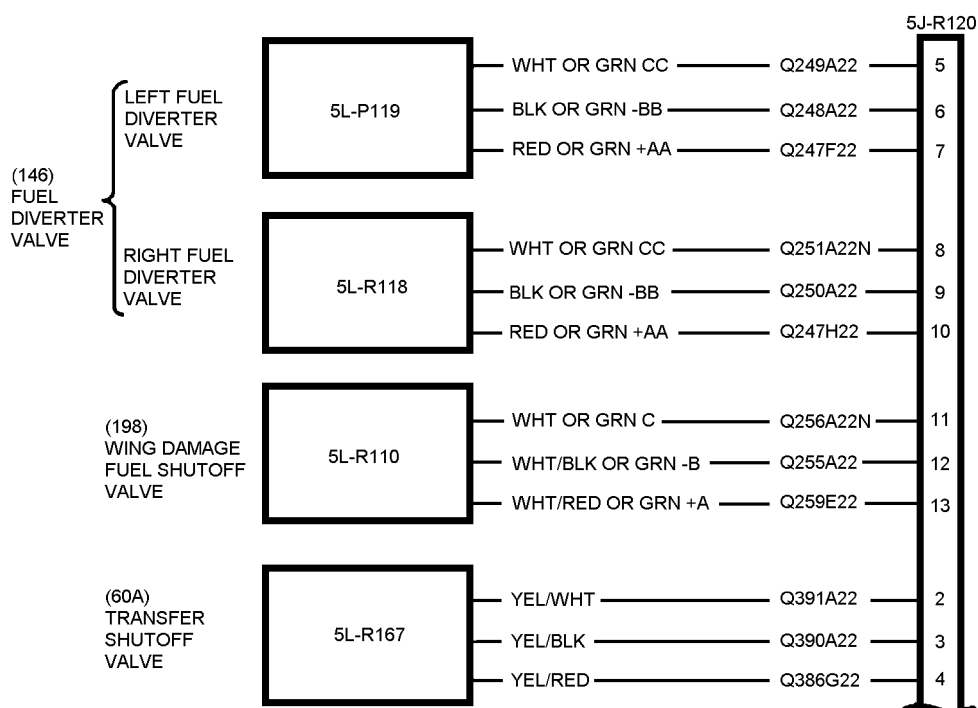


INDEX NO.	PART NO.	QTY
360	MS29513-132	1
367	RRT200SPM9	1
373	NAS674V5	1
	AN960JD416L (AP)	1
	AN960JD416 (AP)	1

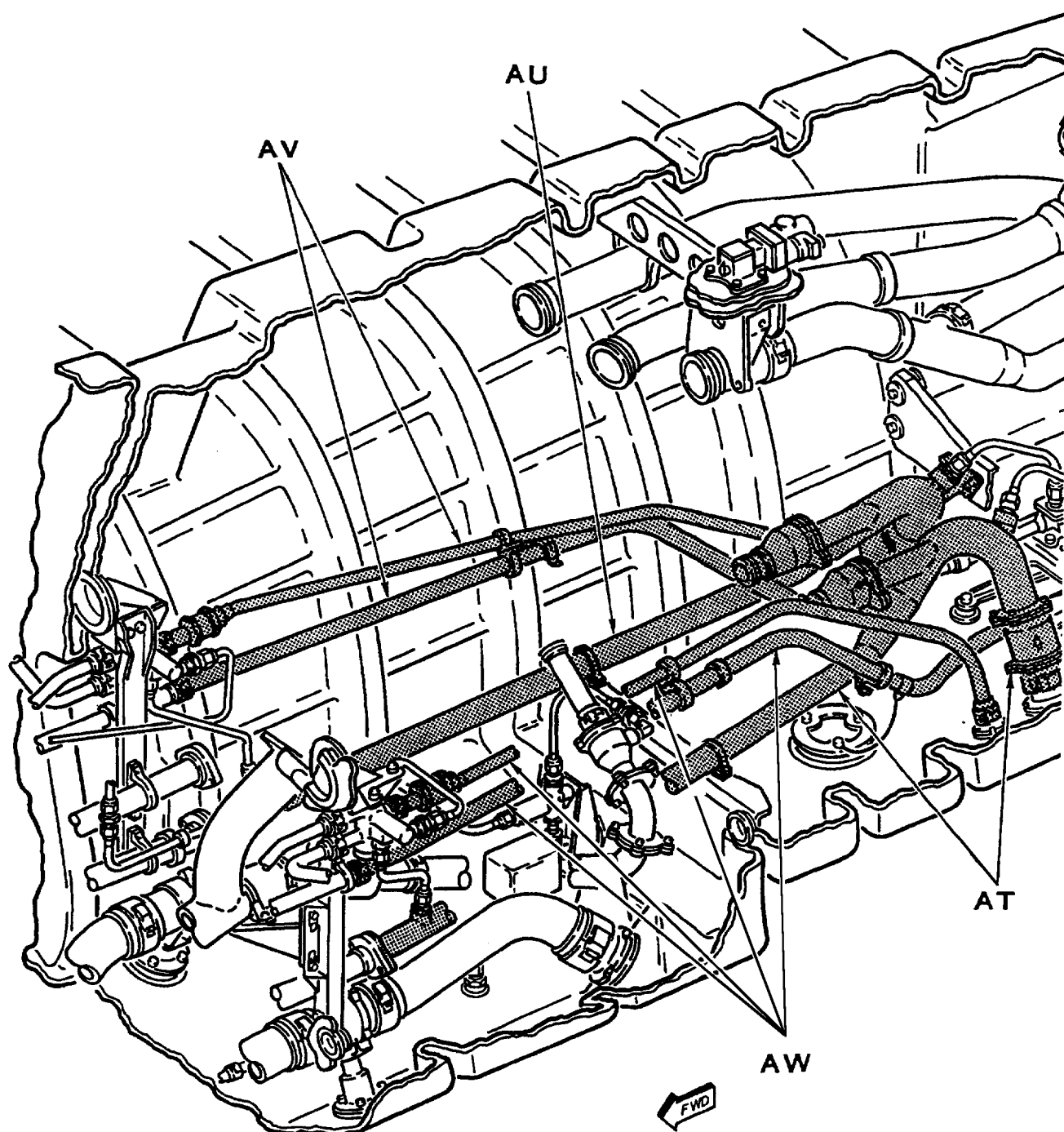


163146 AND UP





17. SEQUENCE 15.



a. Prepare mating surfaces of manifold (78), tube (199) and bracket (168) for electrical bond (A1-F18AC-LMM-000).

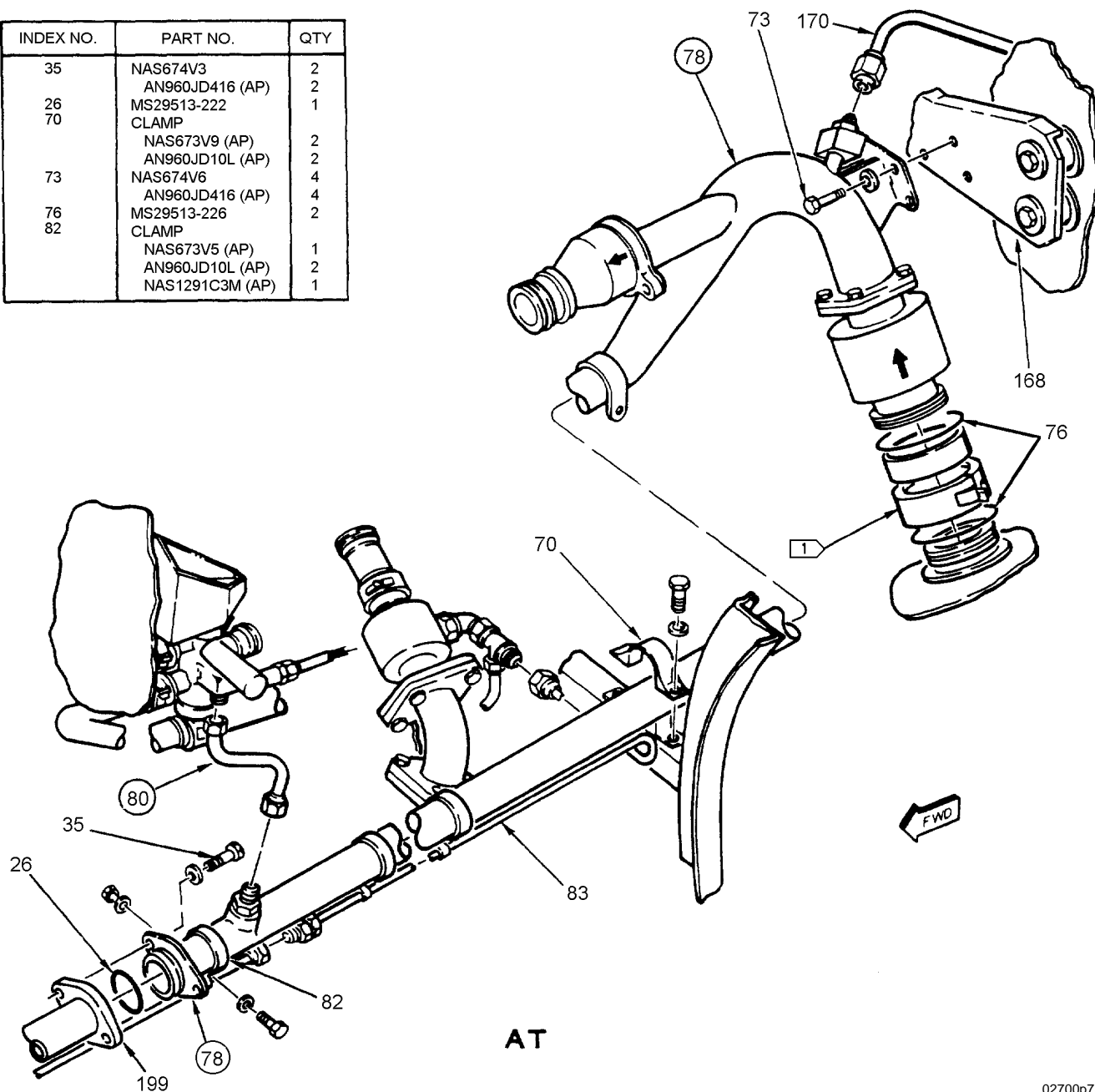
b. Install packings (26 and 76), manifold (78), bolts (24 and 73) and related parts.

c. On 161353 THRU 161519, 161702 THRU 161965 ALSO 161520 THRU 161528 BEFORE F/A-18 AFC 053, connect tube (83).

d. Connect tubes (80 and 170).

e. Install clamps (70 and 82) and attaching parts.

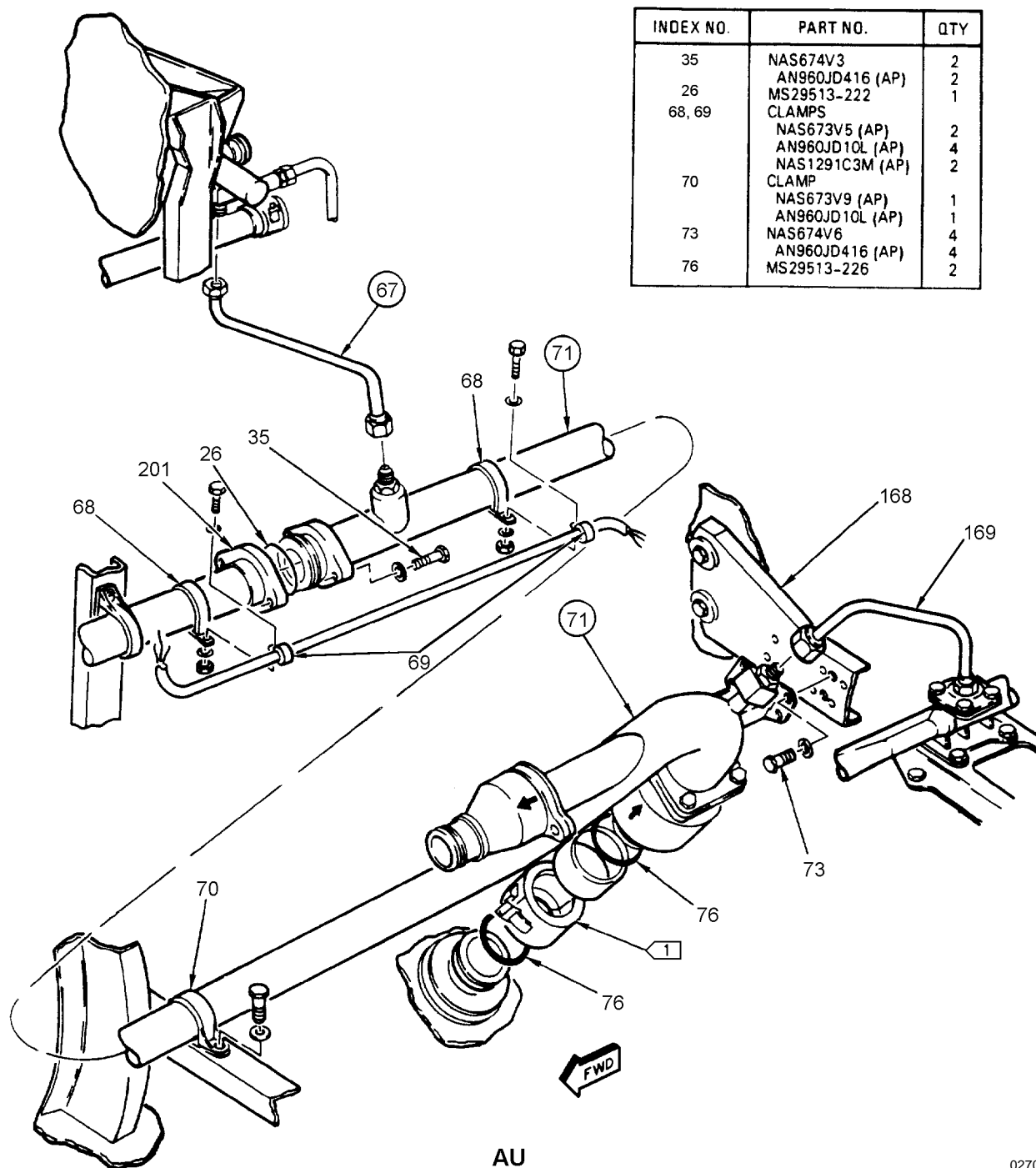
INDEX NO.	PART NO.	QTY
35	NAS674V3	2
	AN960JD416 (AP)	2
26	MS29513-222	1
70	CLAMP	
	NAS673V9 (AP)	2
	AN960JD10L (AP)	2
73	NAS674V6	4
	AN960JD416 (AP)	4
76	MS29513-226	2
82	CLAMP	
	NAS673V5 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	1



f. Prepare mating surfaces of manifold (71), tube (201) and bracket (168) for electrical bond (A1-F18AC-LMM-000).

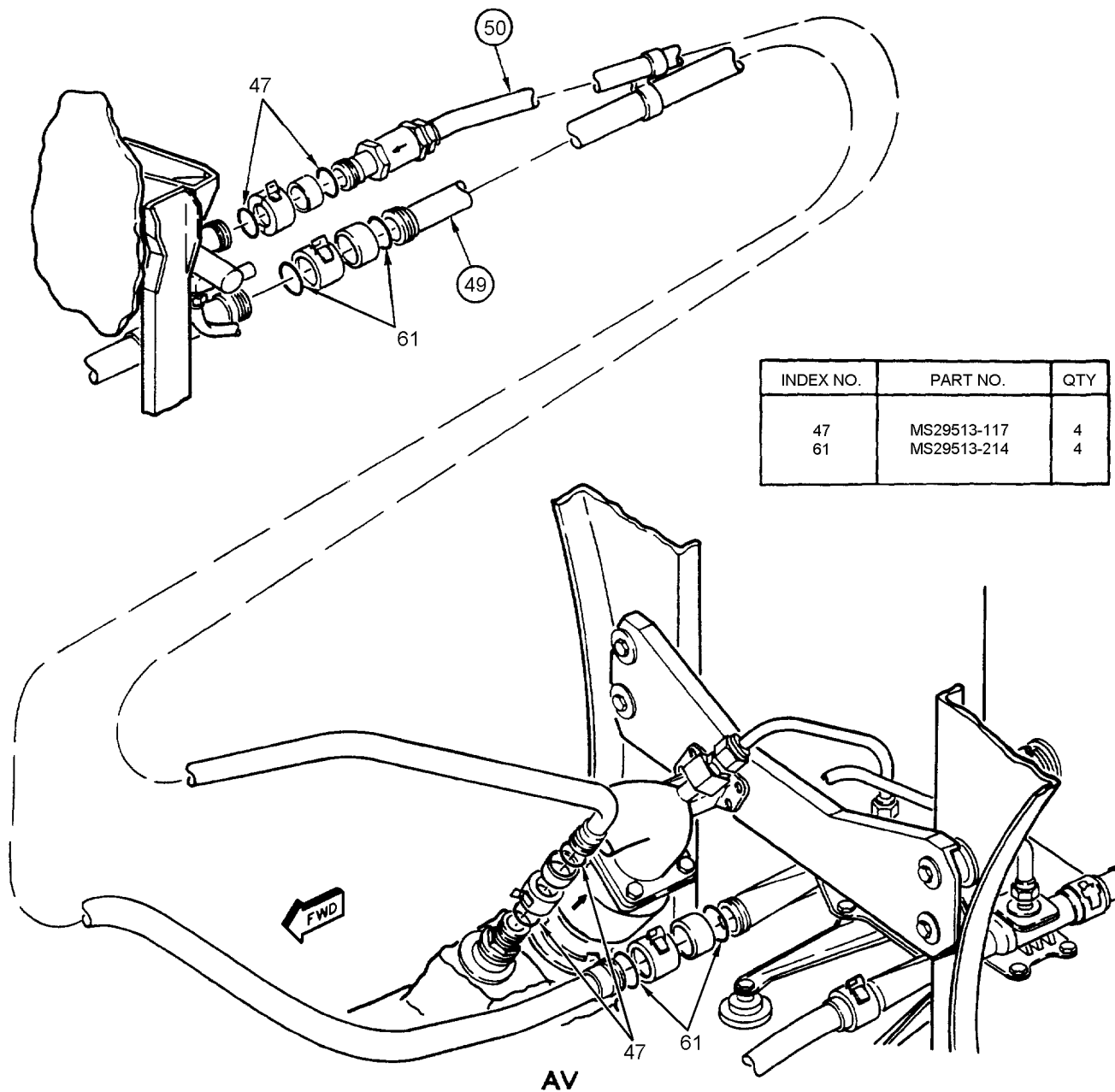
g. Install packings (26 and 76), manifold (71) and bolts (35 and 73). On 161924 AND UP, install clamps (68 and 69) and related parts.

h. Install tube (67) and connect tube (169).



INDEX NO.	PART NO.	QTY
35	NAS674V3	2
26	AN960JD416 (AP)	2
68, 69	MS29513-222	1
	CLAMPS	
	NAS673V5 (AP)	2
	AN960JD10L (AP)	4
	NAS1291C3M (AP)	2
70	CLAMP	
	NAS673V9 (AP)	1
	AN960JD10L (AP)	1
73	NAS674V6	4
	AN960JD416 (AP)	4
76	MS29513-226	2

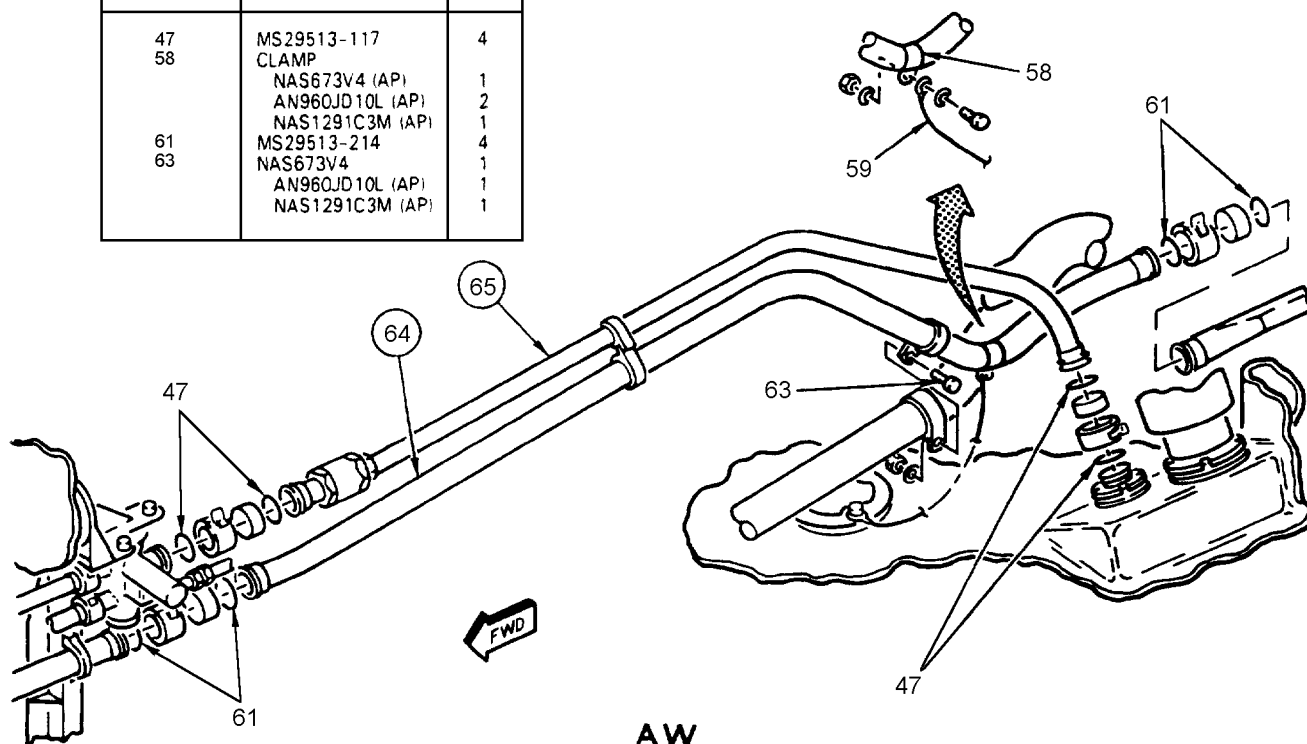
- i. Install packings (47 and 61), tubes (49 and 50) and related parts.



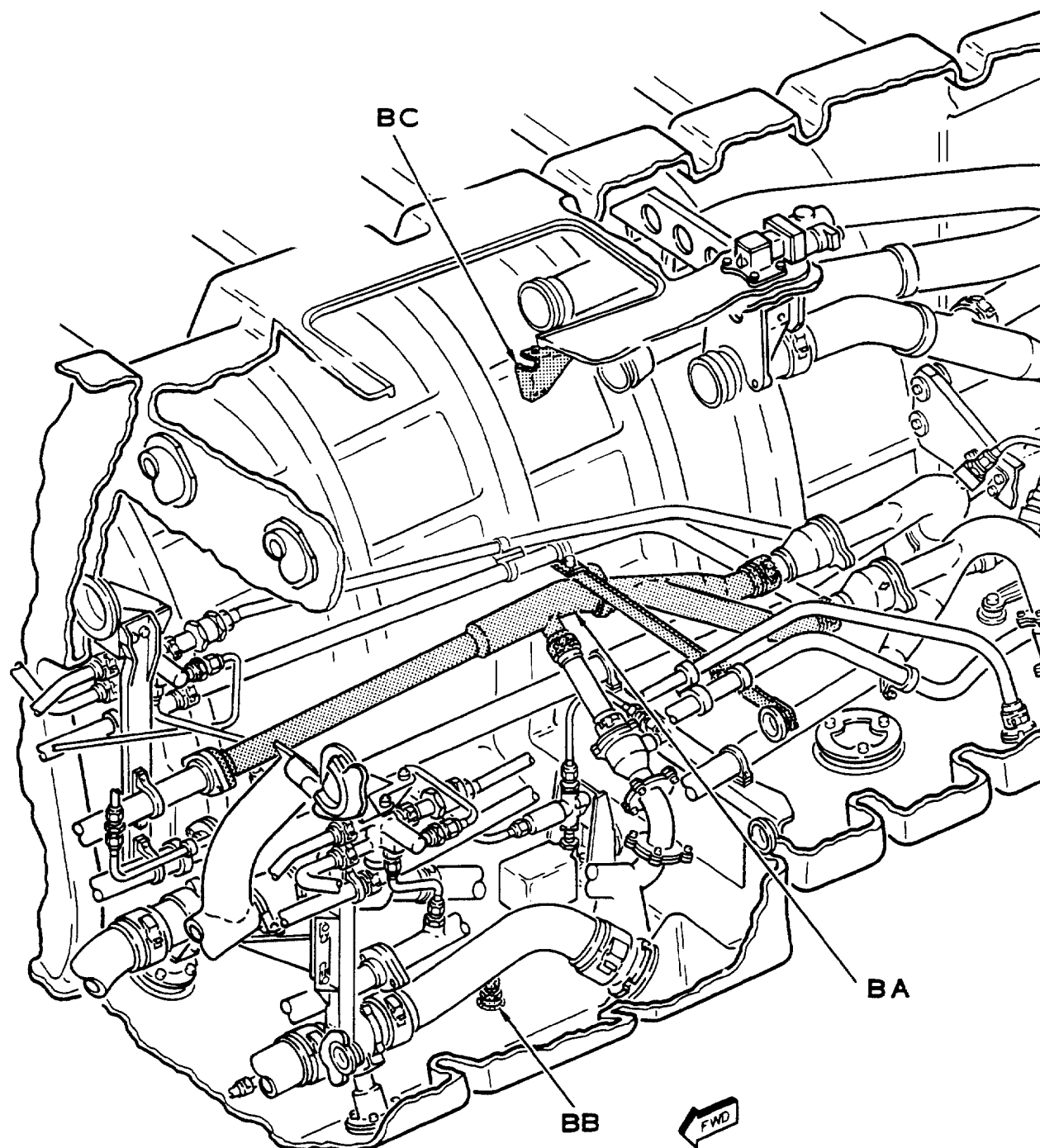
j. Install packings (47 and 61), tubes (64 and 65), bolt (63) and related parts.

k. On 162436 AND UP prepare mating surfaces of electrical lead (59), clamp (58), and tube (64) for electrical bond (A1-F18AC-LMM-000) and install.

INDEX NO	PART NO	QTY.
47	MS29513-117	4
58	CLAMP	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	1
61	MS29513-214	4
63	NAS673V4	1
	AN960JD10L (AP)	1
	NAS1291C3M (AP)	1



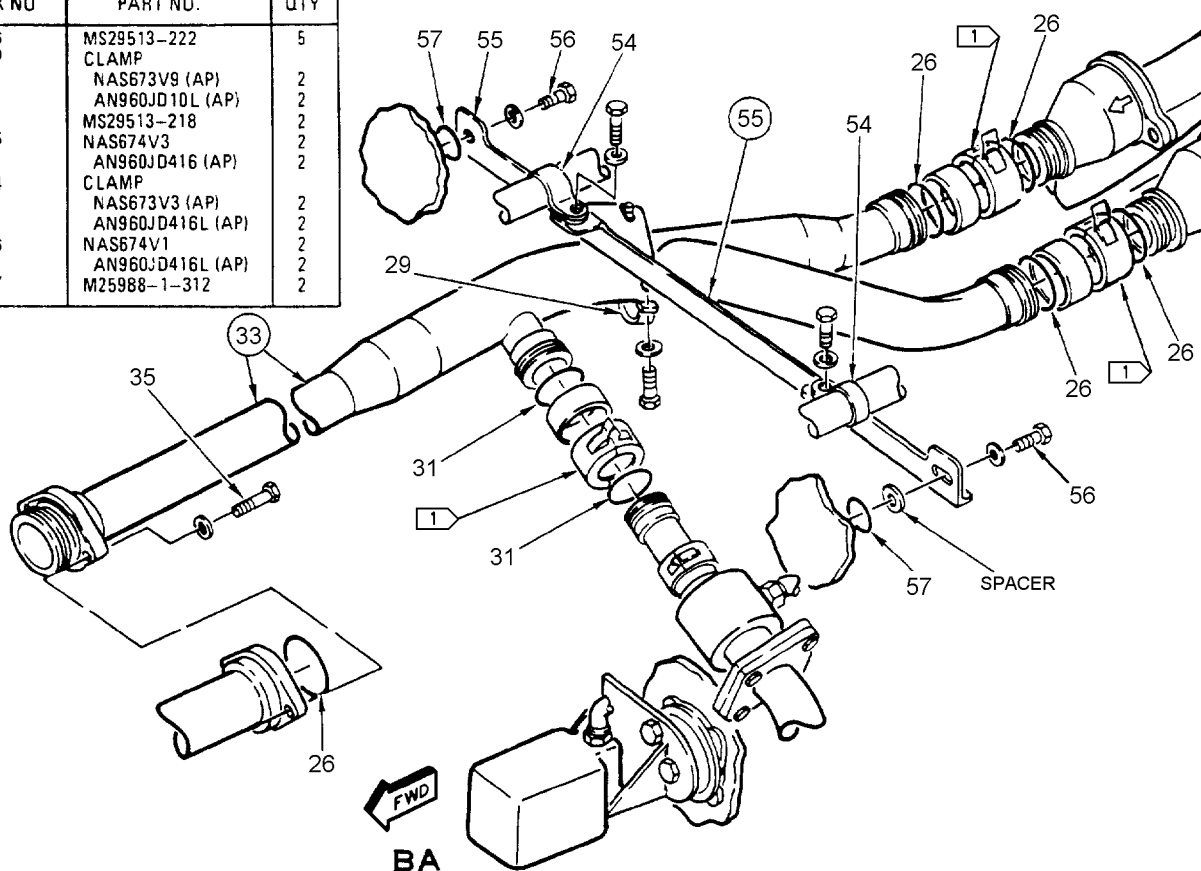
18. SEQUENCE 16.



a. Install packings (57), support (55), bolts (56) and attaching parts. Seal bolt (56) threads per WP013 00. (QA)

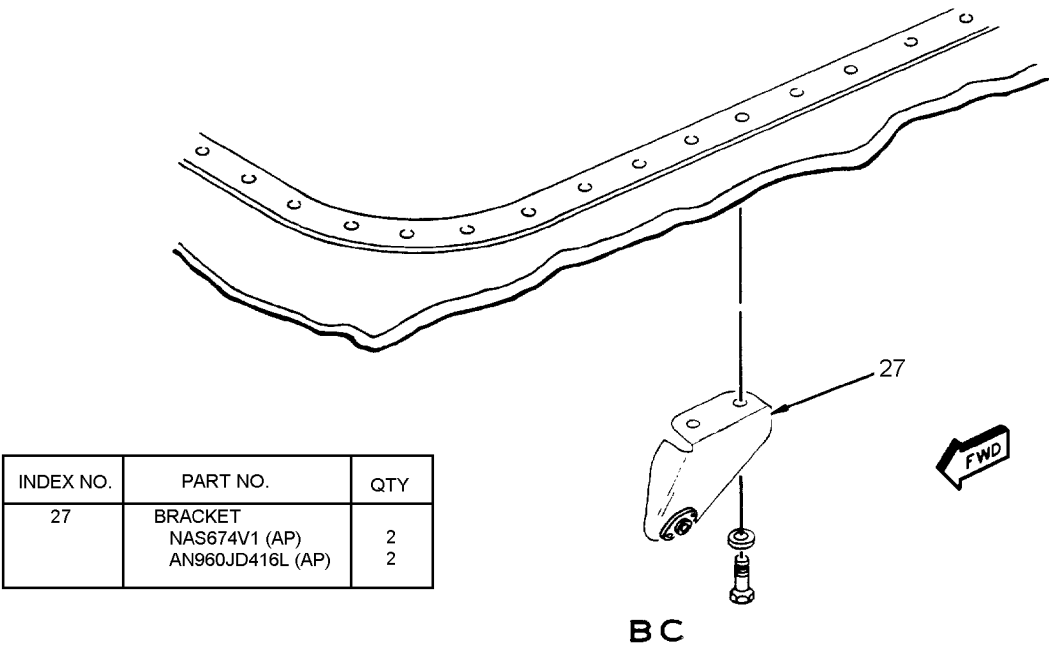
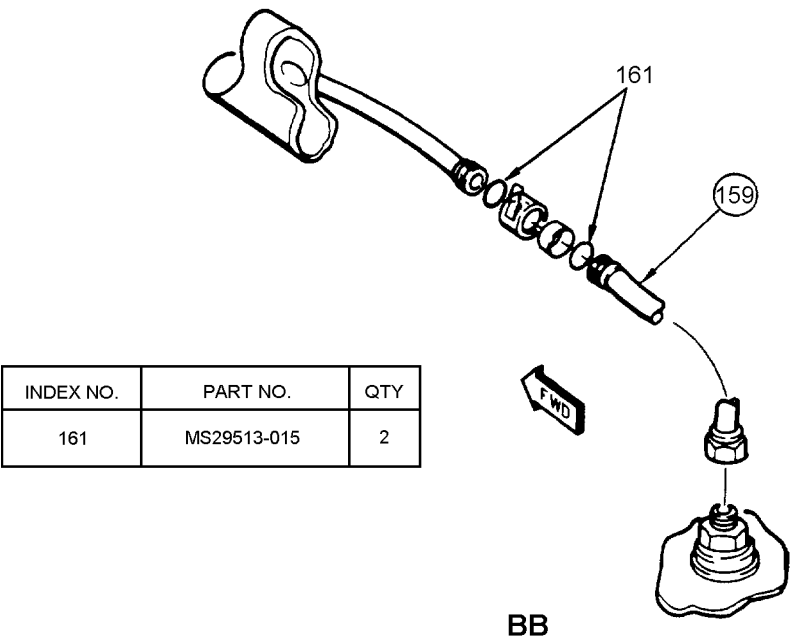
b. Install packings (26 and 31), manifold (33), clamps (29 and 54), bolts (35) and attaching parts.

INDEX NO	PART NO.	QTY
26	MS29513-222	5
29	CLAMP	
	NAS673V8 (AP)	2
	AN960JD10L (AP)	2
31	MS29513-218	2
35	NAS674V3	2
	AN960JD416 (AP)	2
54	CLAMP	
	NAS673V3 (AP)	2
	AN960JD416L (AP)	2
56	NAS674V1	2
	AN960JD416L (AP)	2
57	M25988-1-312	2

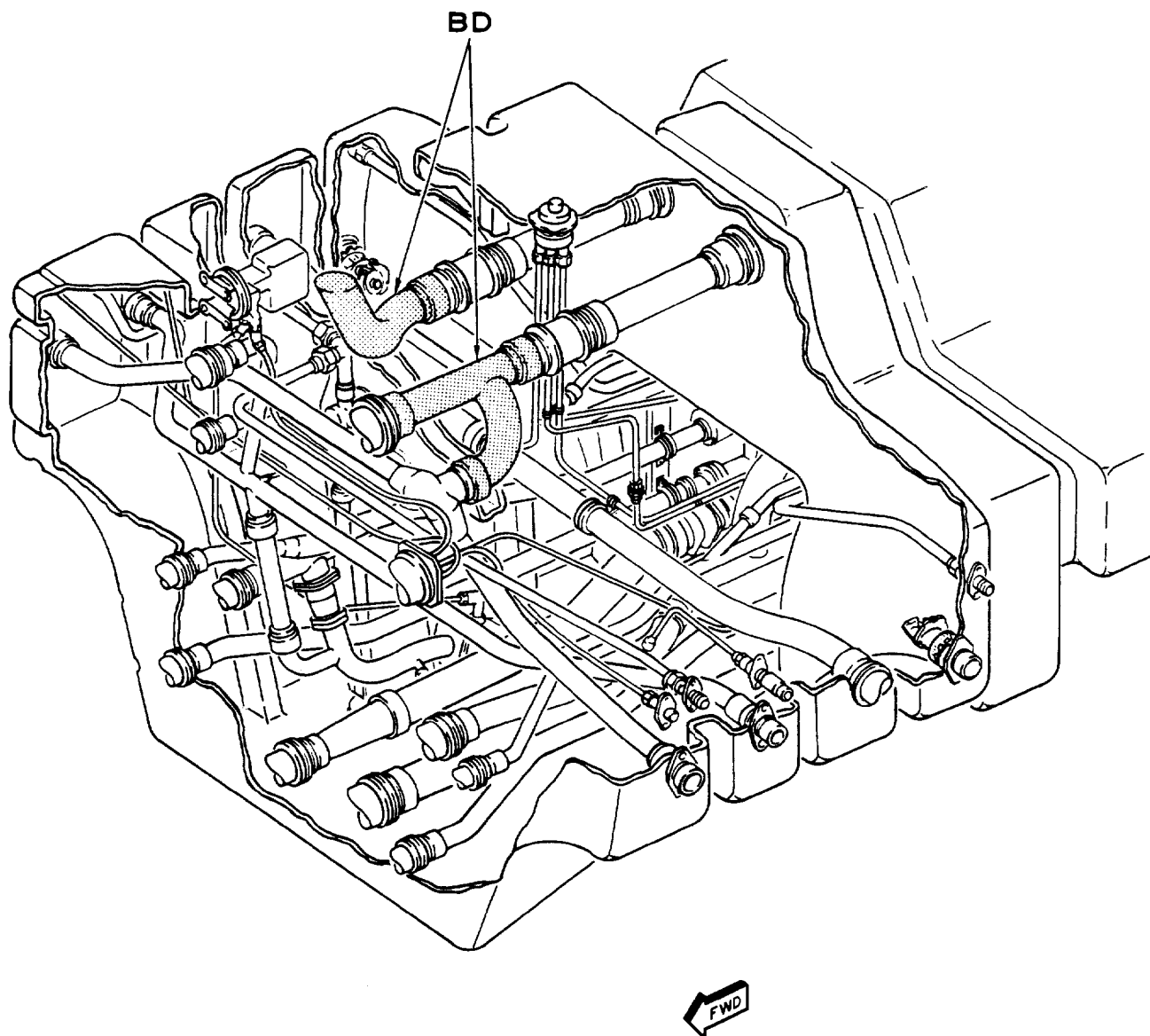


c. Install packings (161) and tube (159) (detail BB).

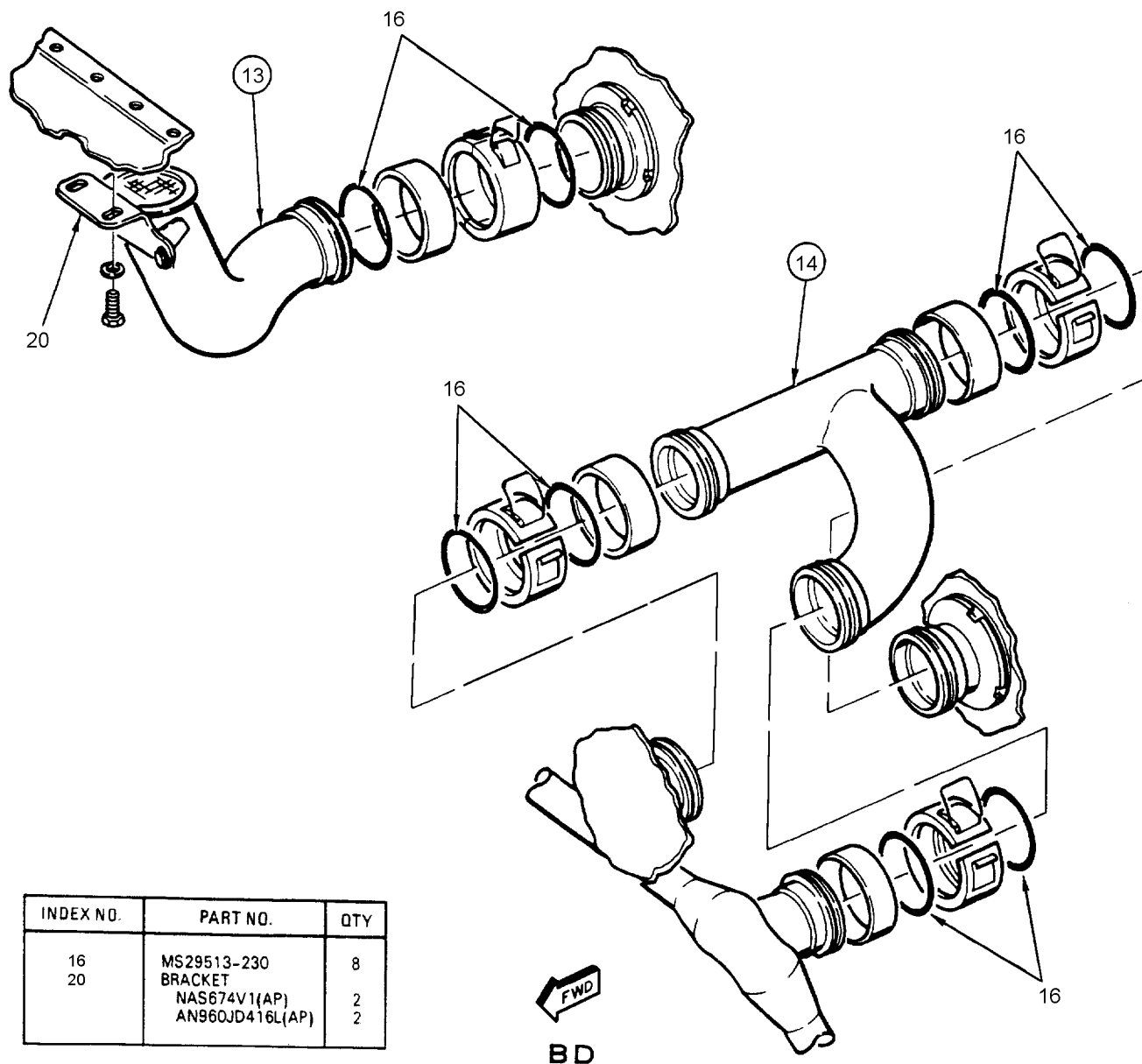
d. Install bracket (27) and attaching parts (detail BC).



19. SEQUENCE 17.



a. Install packings (16), tube (13), manifold (14), connect bracket (20), and related parts.

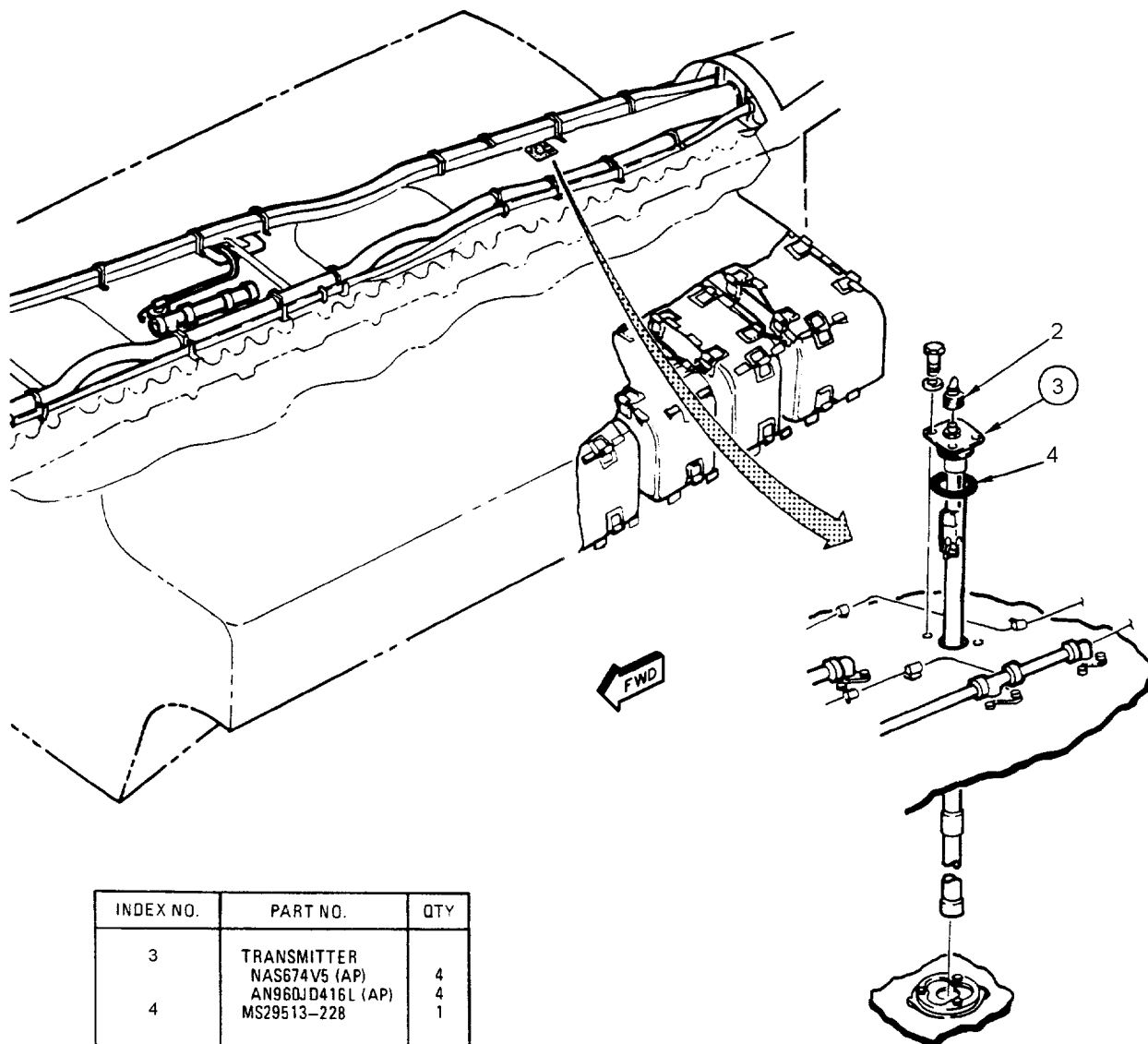


INDEX NO.	PART NO.	QTY
16	MS29513-230	8
20	BRACKET	
	NAS674V1(AP)	2
	AN960JD416L(AP)	2

b. Prepare mating surfaces of transmitter (16) and structure for electrical bond (A1-F18AC-LMM-000).

d. Connect connector (2).

c. Install packing (4) and transmitter (3).



e. Install bleed air forward and aft dorsal duct assemblies (A1-F18AC-410-300, WP011 00 and WP013 00).

f. Install no. 4 fuel tank forward access cover. (WP007 00)

g. Do no. 4 fuel tank aft access cover and tank entry procedure. (WP008 00)

h. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.

i. Do dump valve test (WP141 00).

j. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.

k. Do engine fuel shutoff test (A1-F18AC-460-200, WP012 07).

l. Inspect left and right MLG wheelwell in area of couplings for fuel leaks by doing fuel leak test (A1-F18AC-LMM-000).

m. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

**ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
IPB - NO. 4 FUEL TANK (5CAP520)
FUEL STORAGE SYSTEM**

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Jul 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve, and Raised Inverted Baffle (ECP MDA-F/A-18-00055C1)	15 Jul 86	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of (ECP MDA-F/A-18-00084R1)	1 Jun 84	-

1. ILLUSTRATED PARTS BREAKDOWN.

2. Removal procedure for No. 4 Fuel Tank is in WP026 00. Index numbers in this WP match those in WP026 00.

3. Installation Procedure for No. 4 Fuel Tank is in WP027 00. Index numbers in this WP match those in WP027 00.

4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

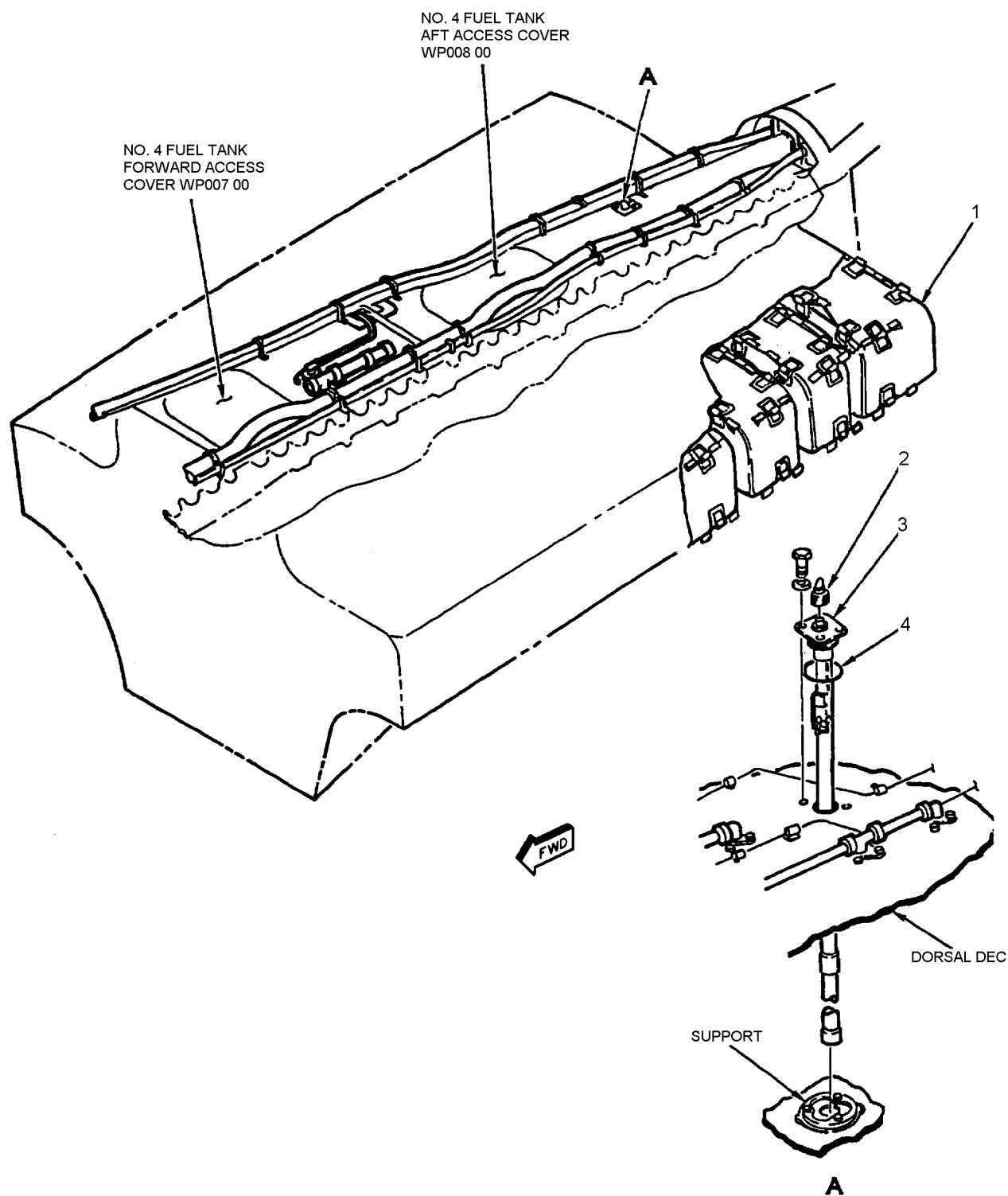


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 1)

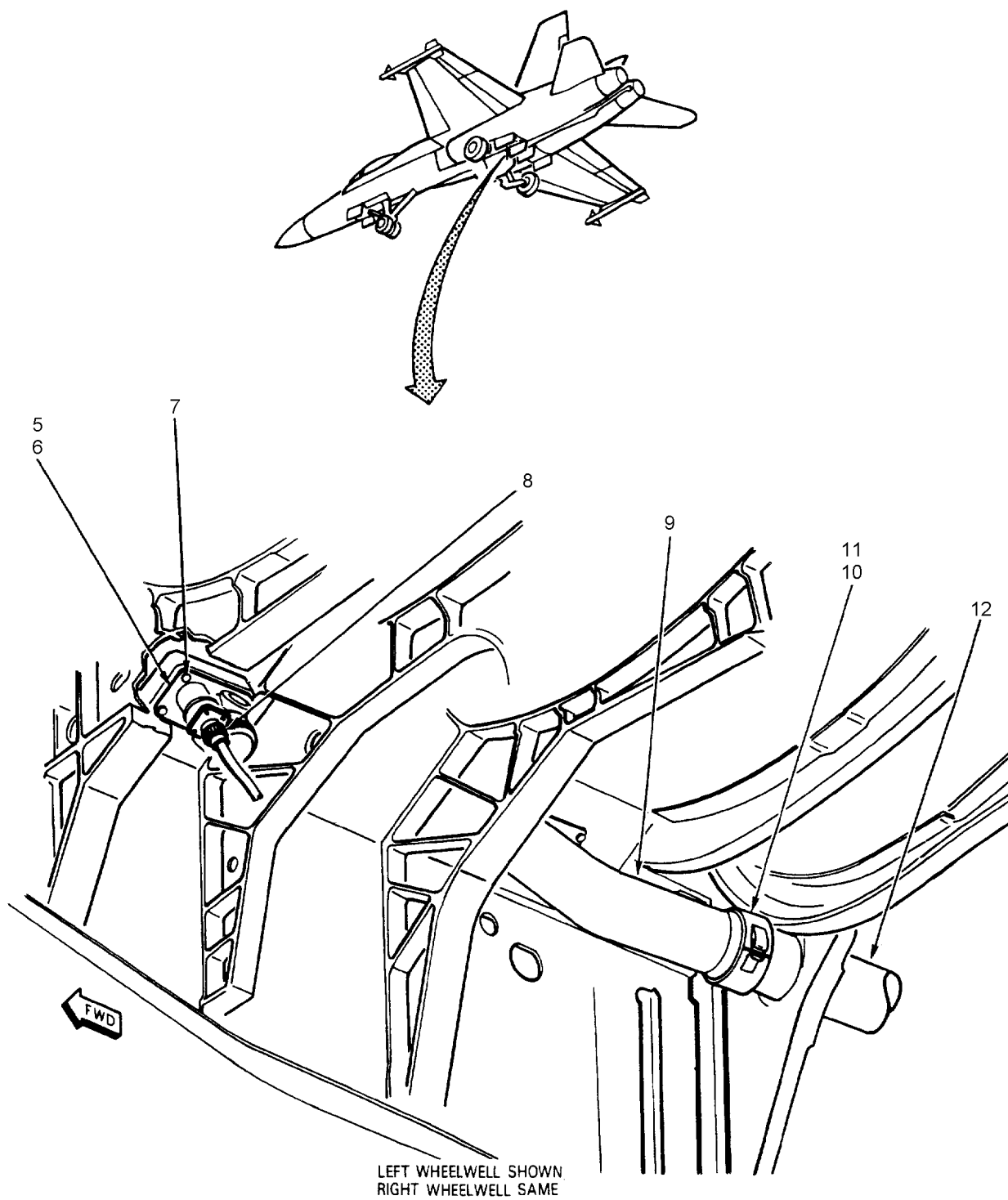
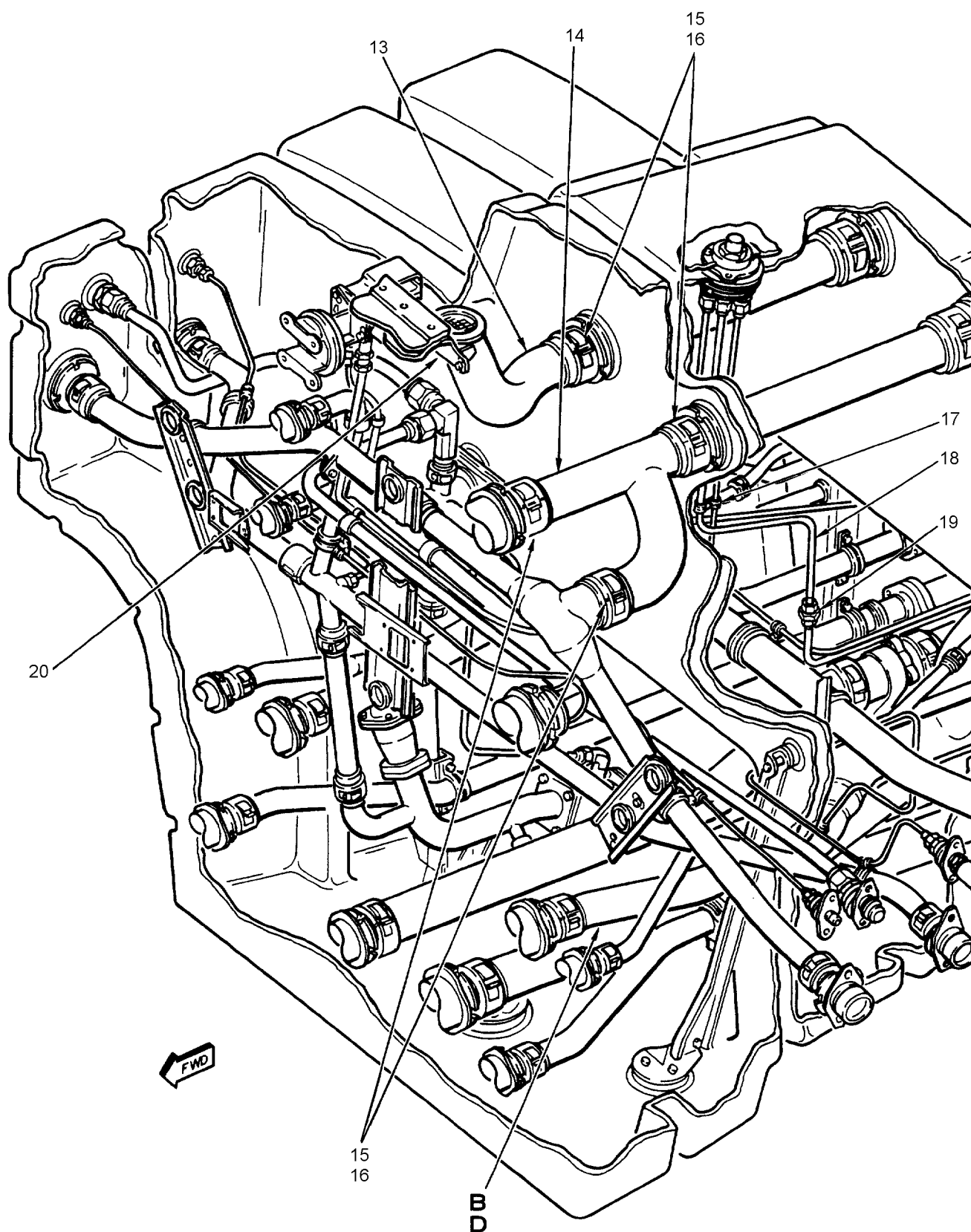


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 2)



02800103

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 3)

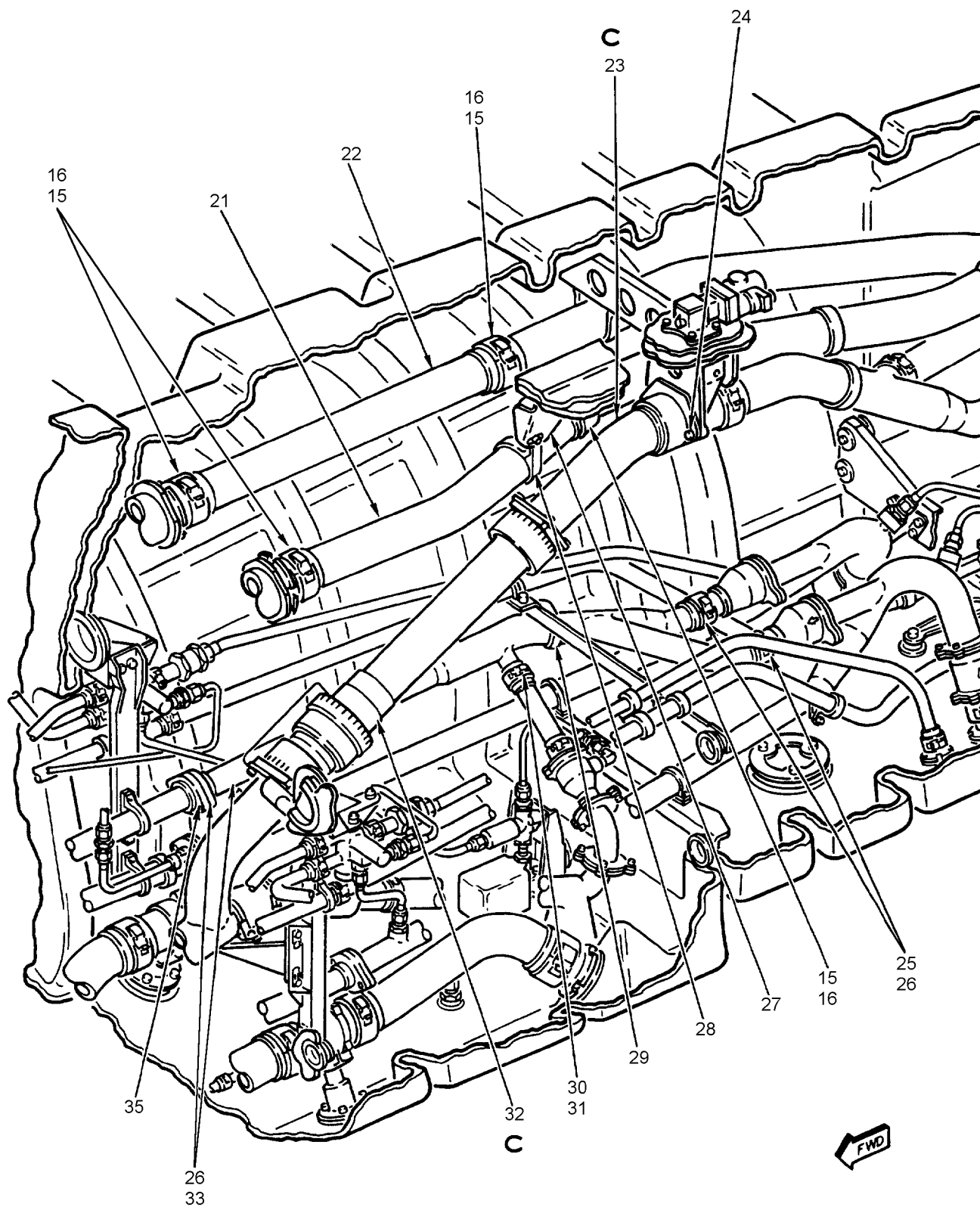


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 4)

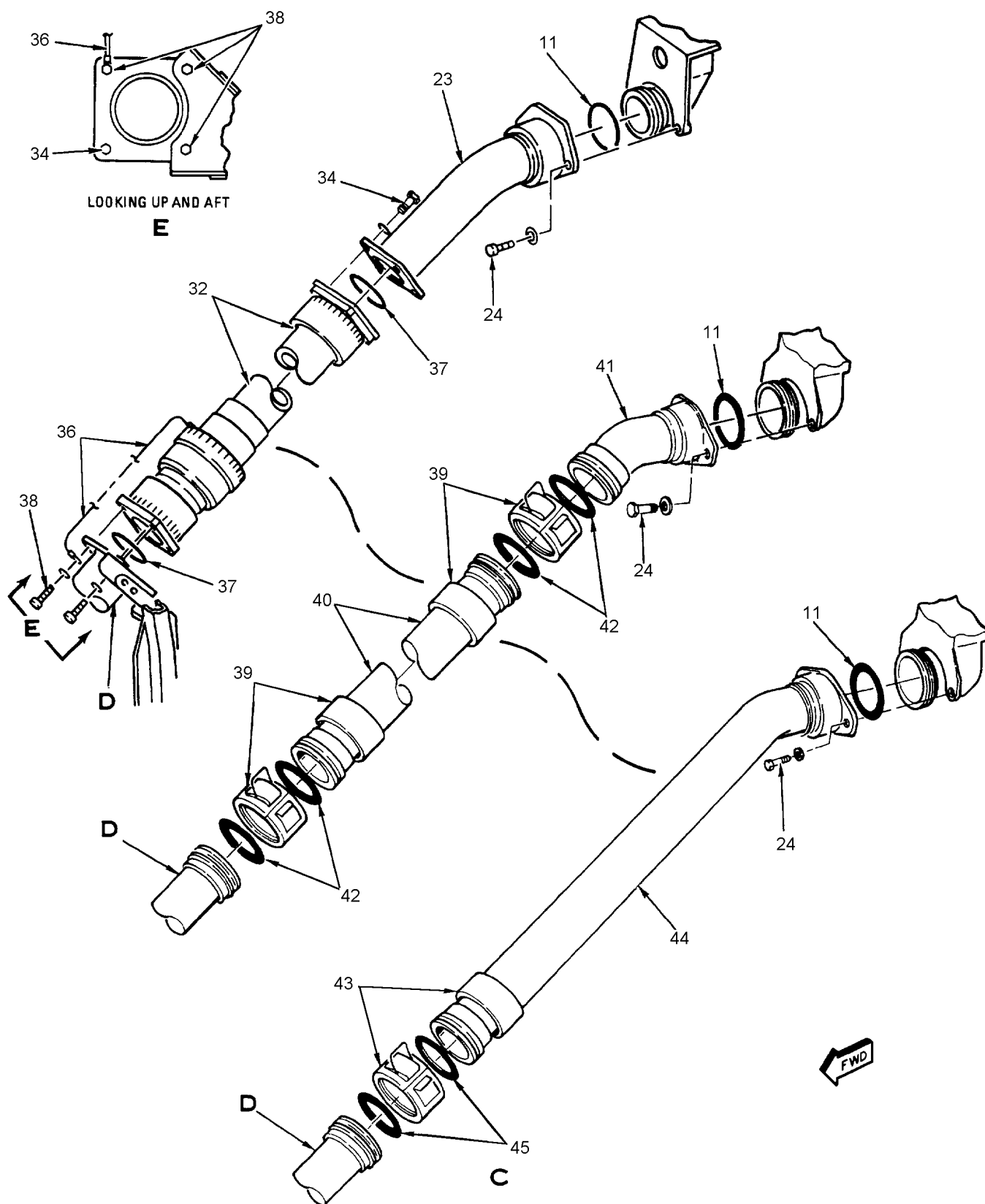
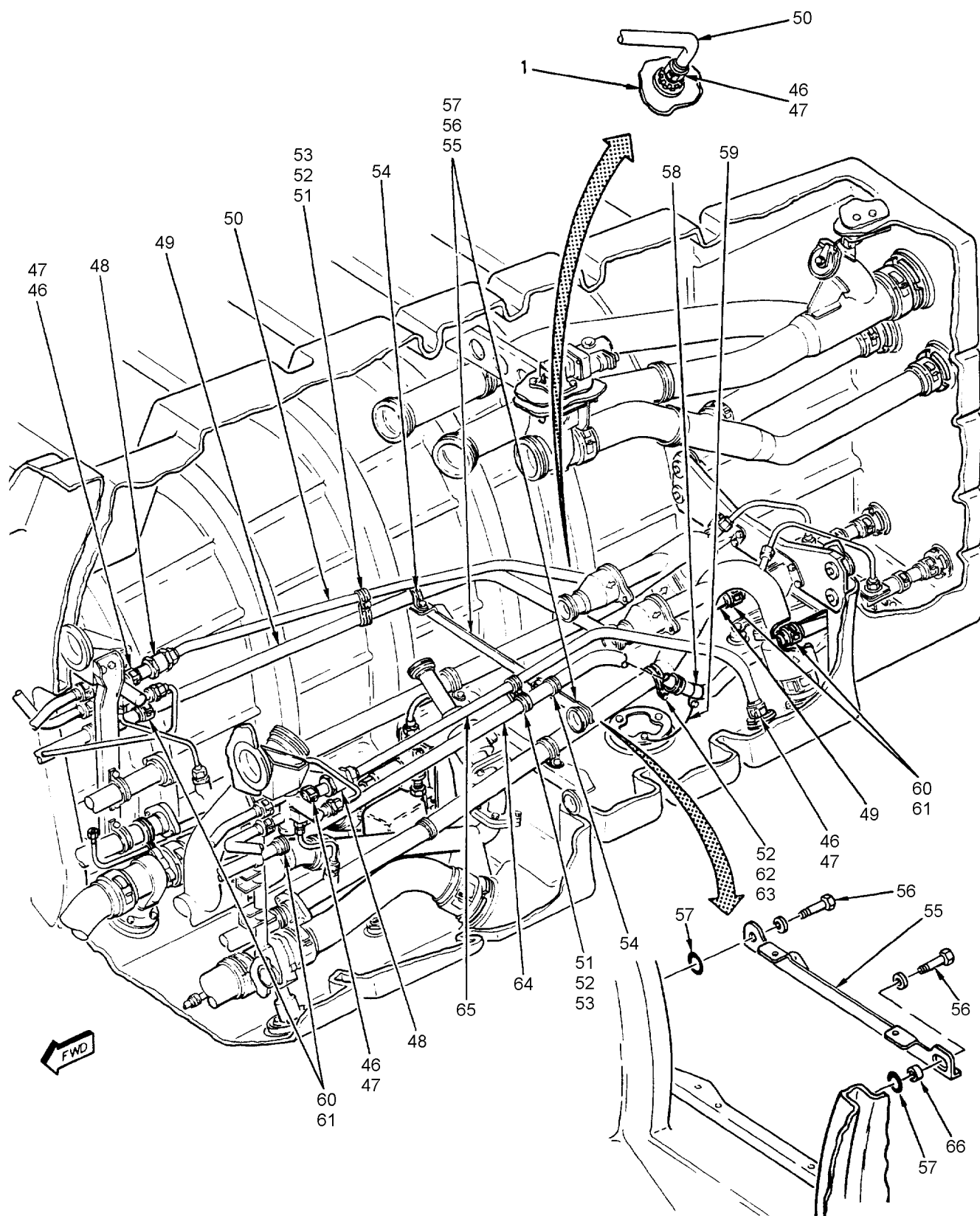
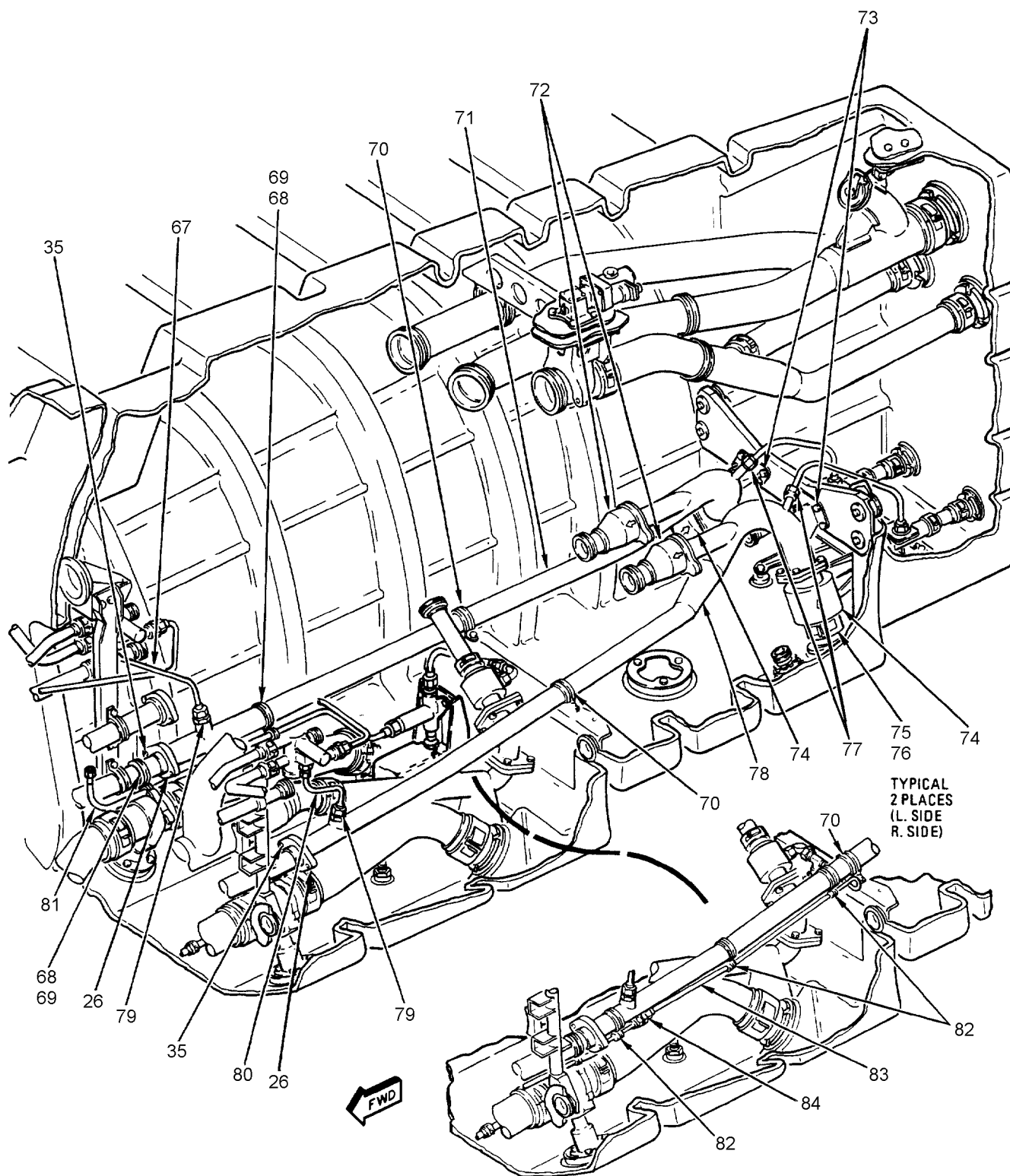


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 5)



02800106

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 6)



02800107

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 7)

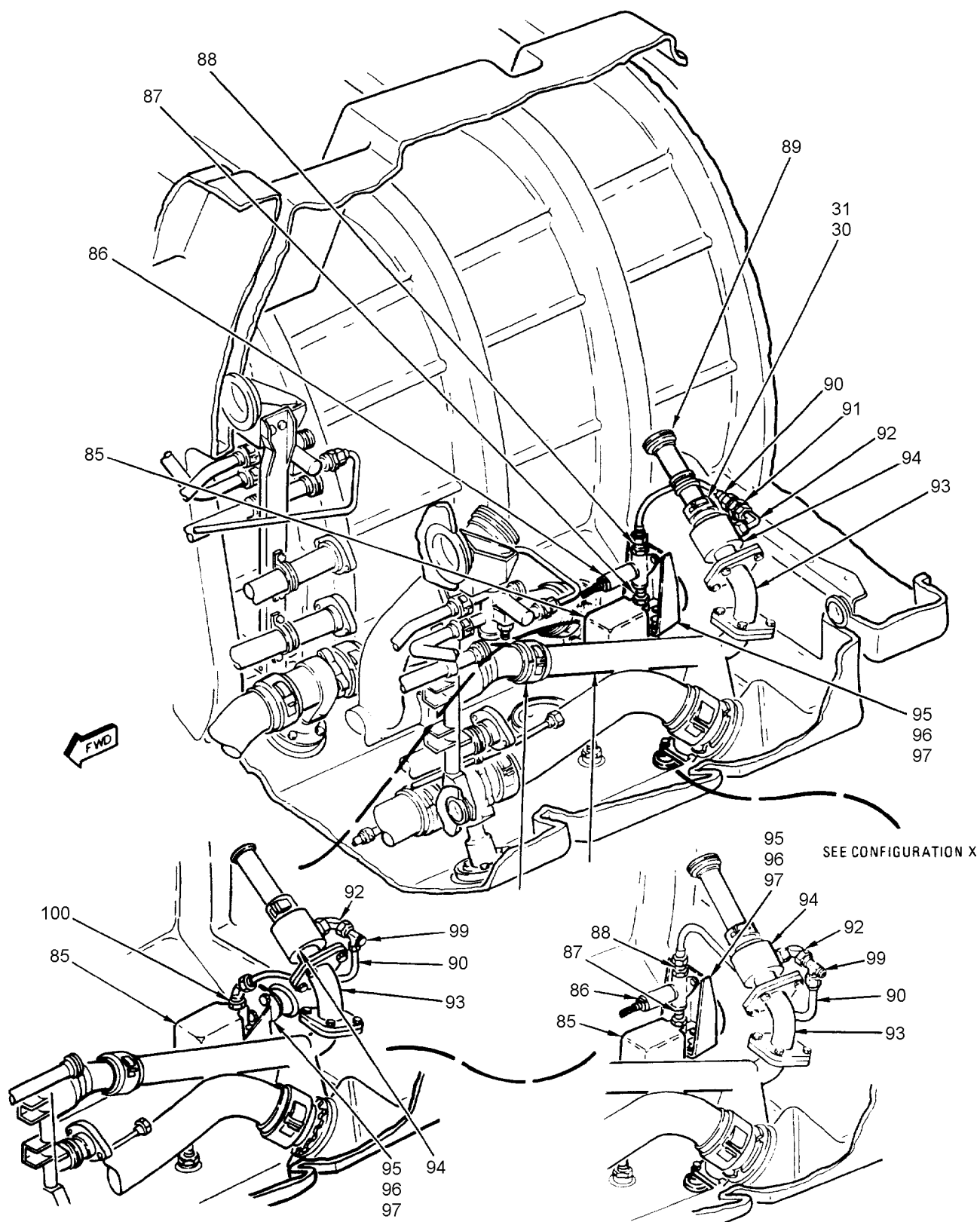
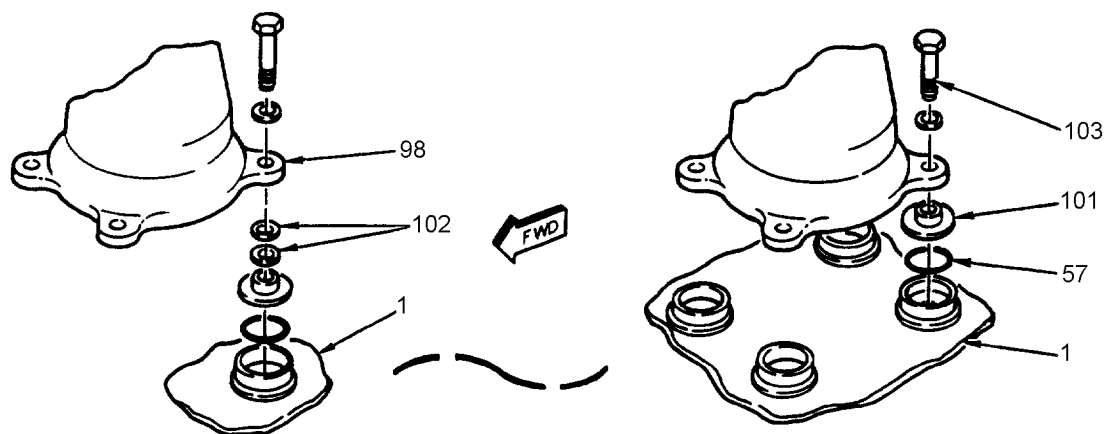
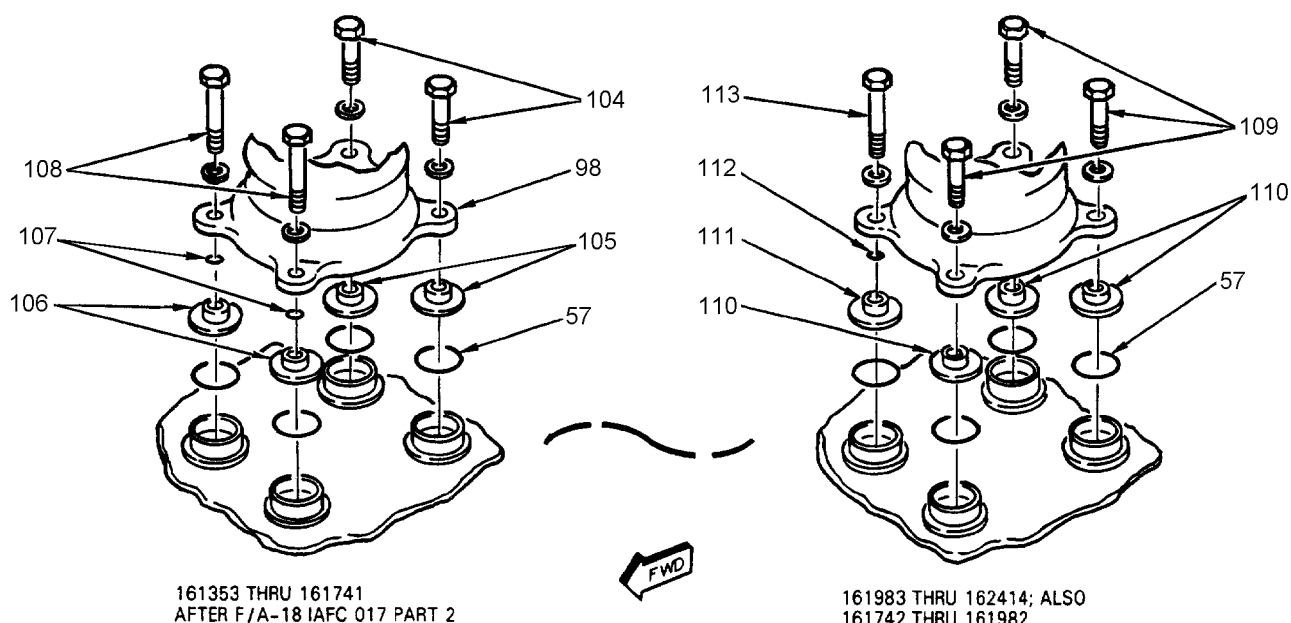


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 8)



162415 AND UP; ALSO 161353 THRU 161982
BEFORE F/A-18 IAFC 017 PART 1 AND PART 2

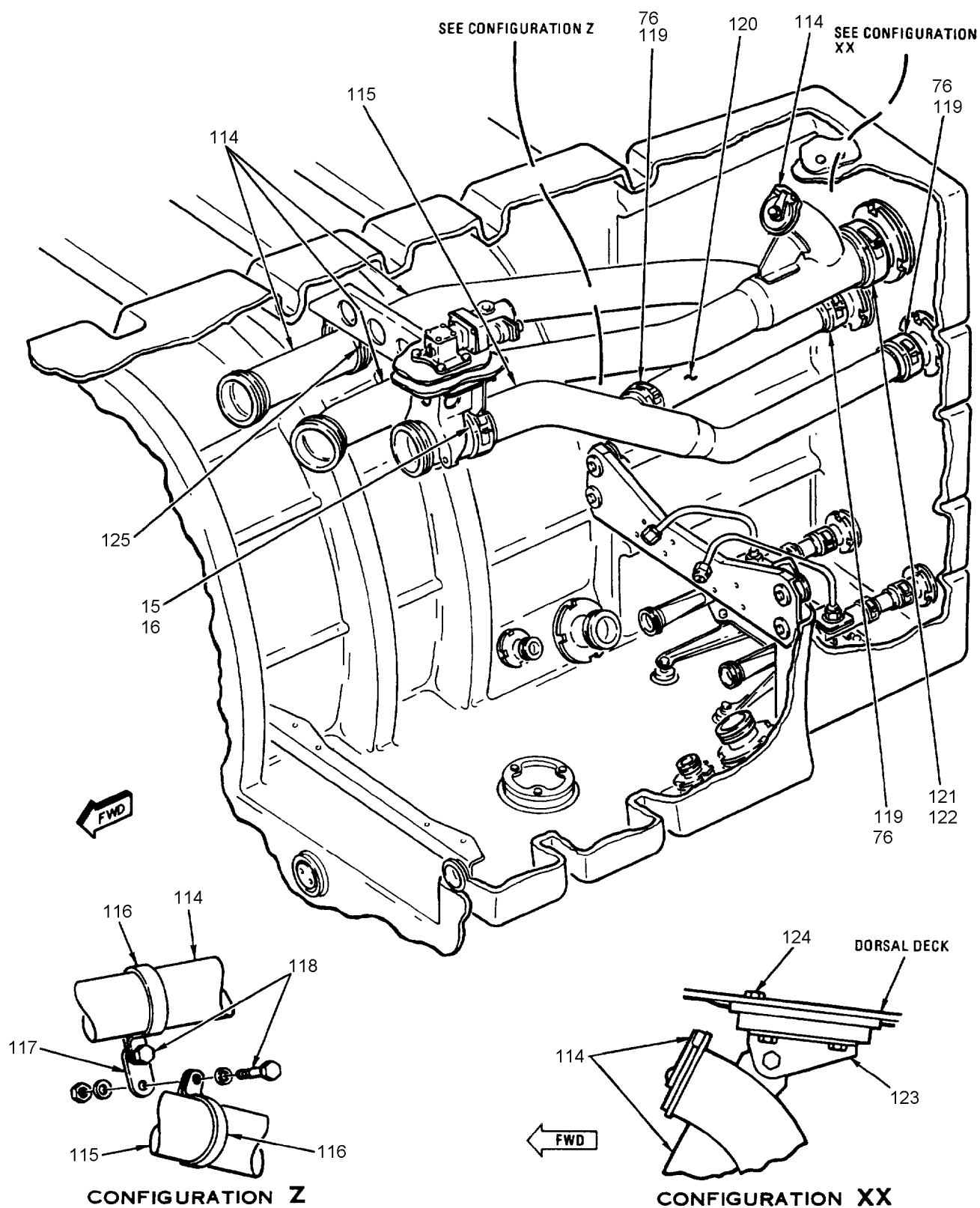


161353 THRU 161741
AFTER F/A-18 IAFC 017 PART 2

161983 THRU 162414; ALSO
161742 THRU 161982
AFTER F/A-18 IAFC 017 PART 1

CONFIGURATION X

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 9)



02800110

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 10)

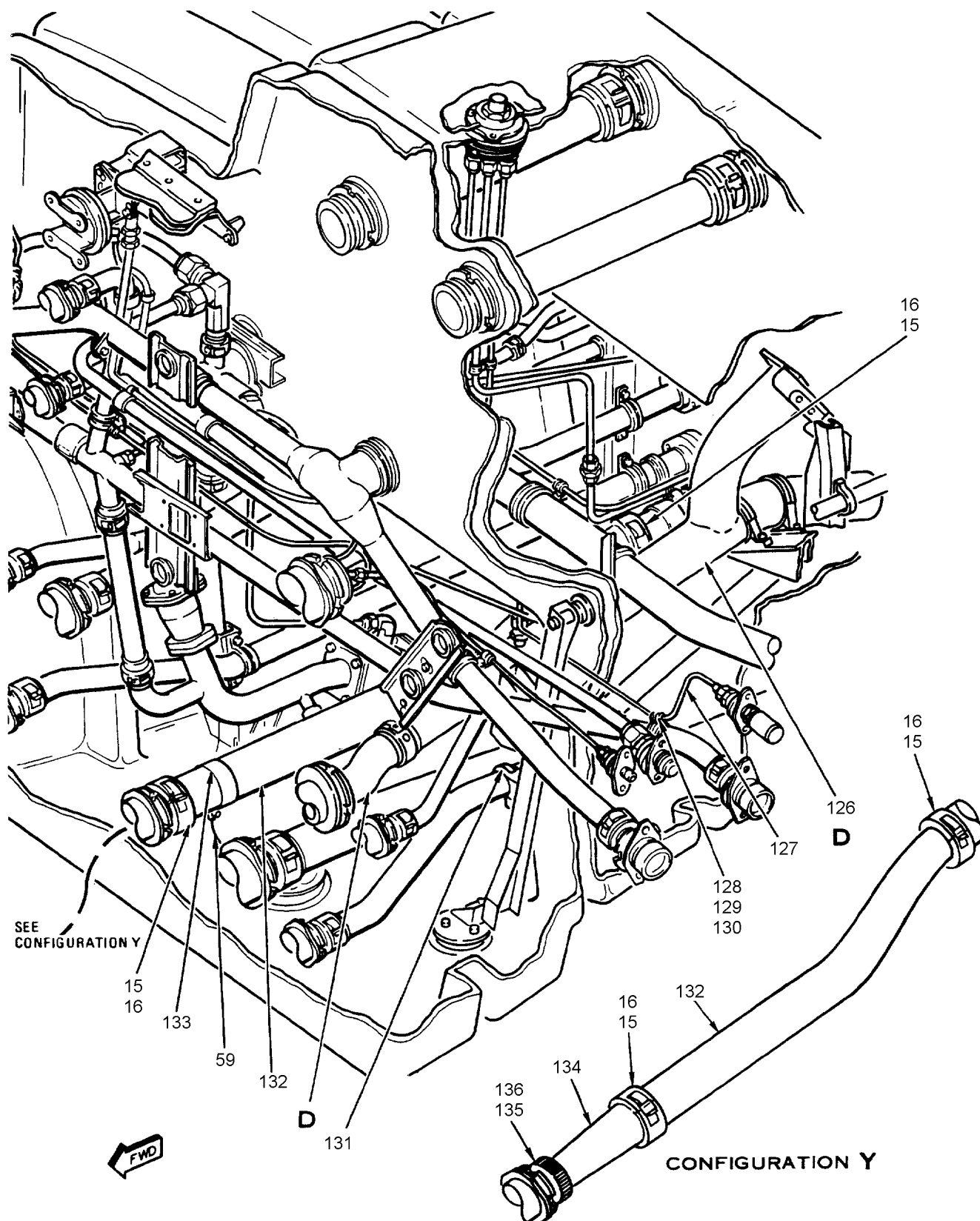


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 11)

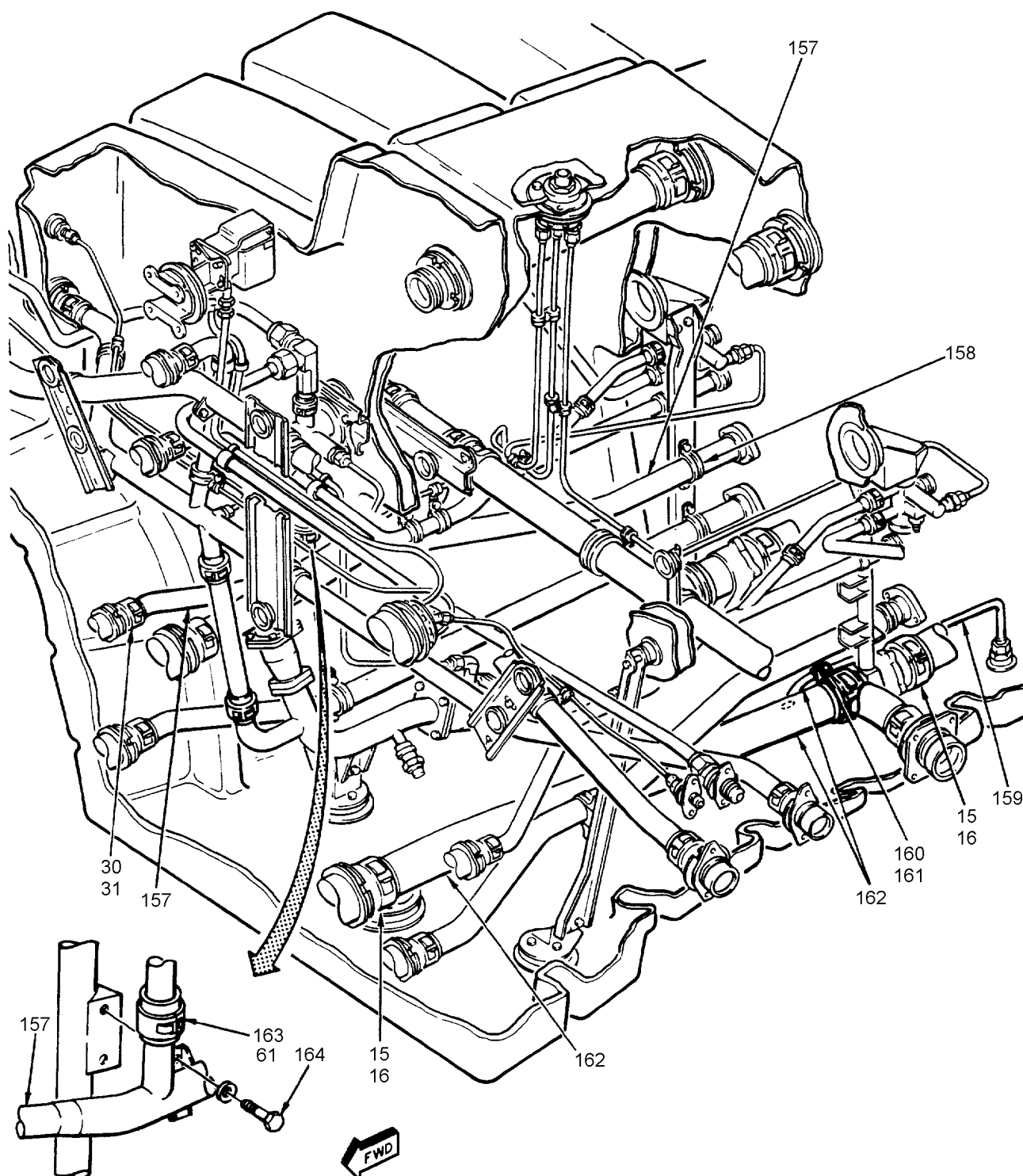
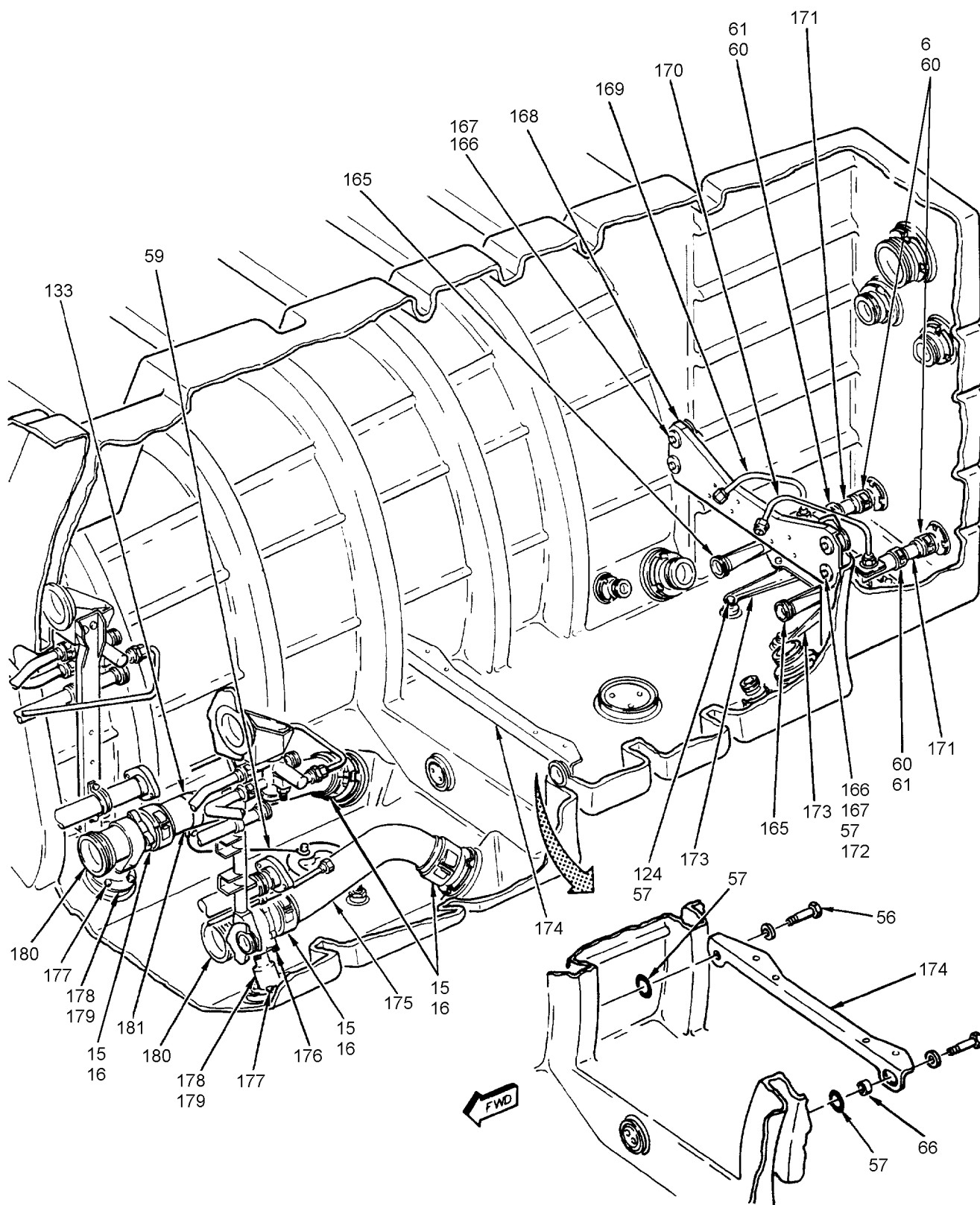
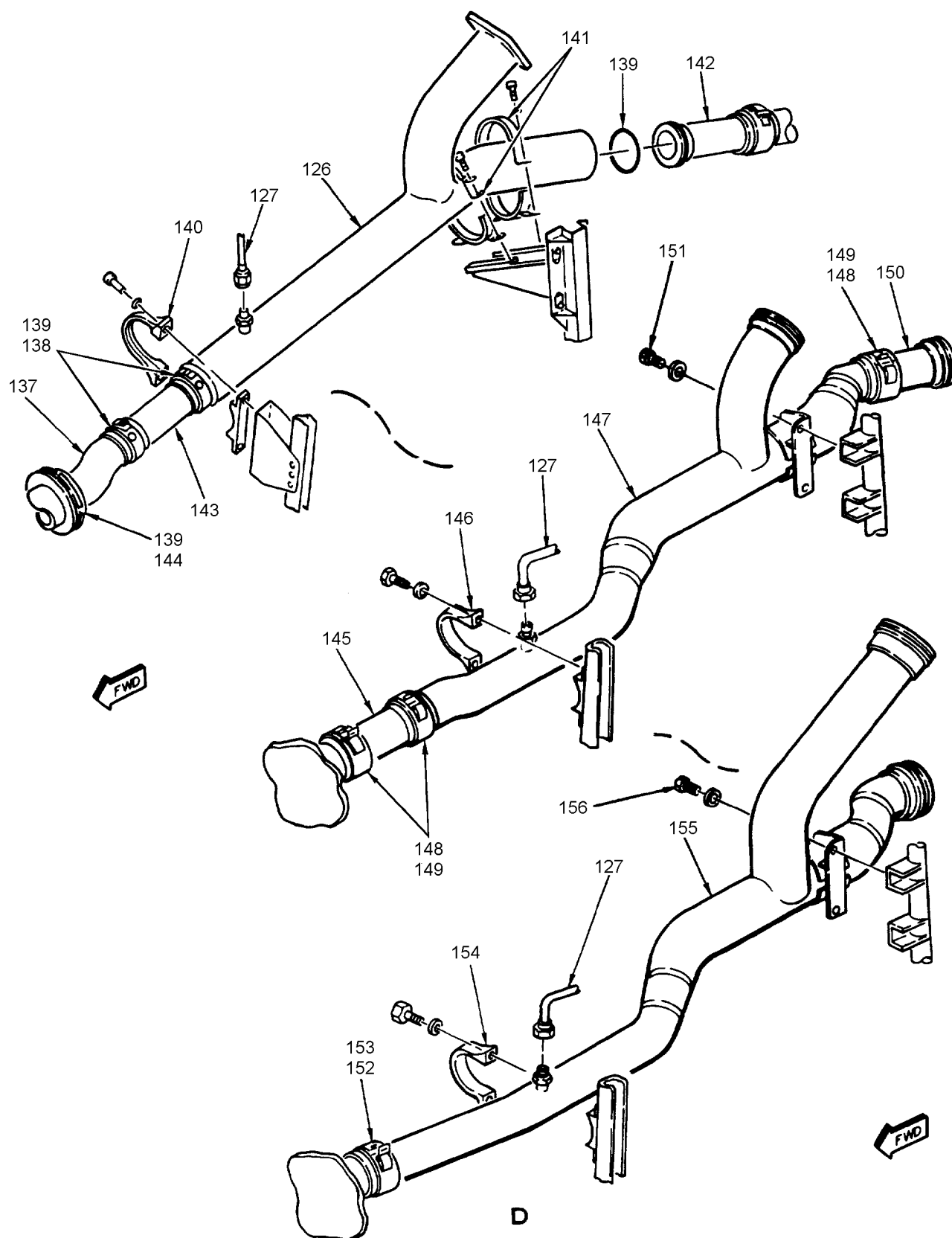


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 12)



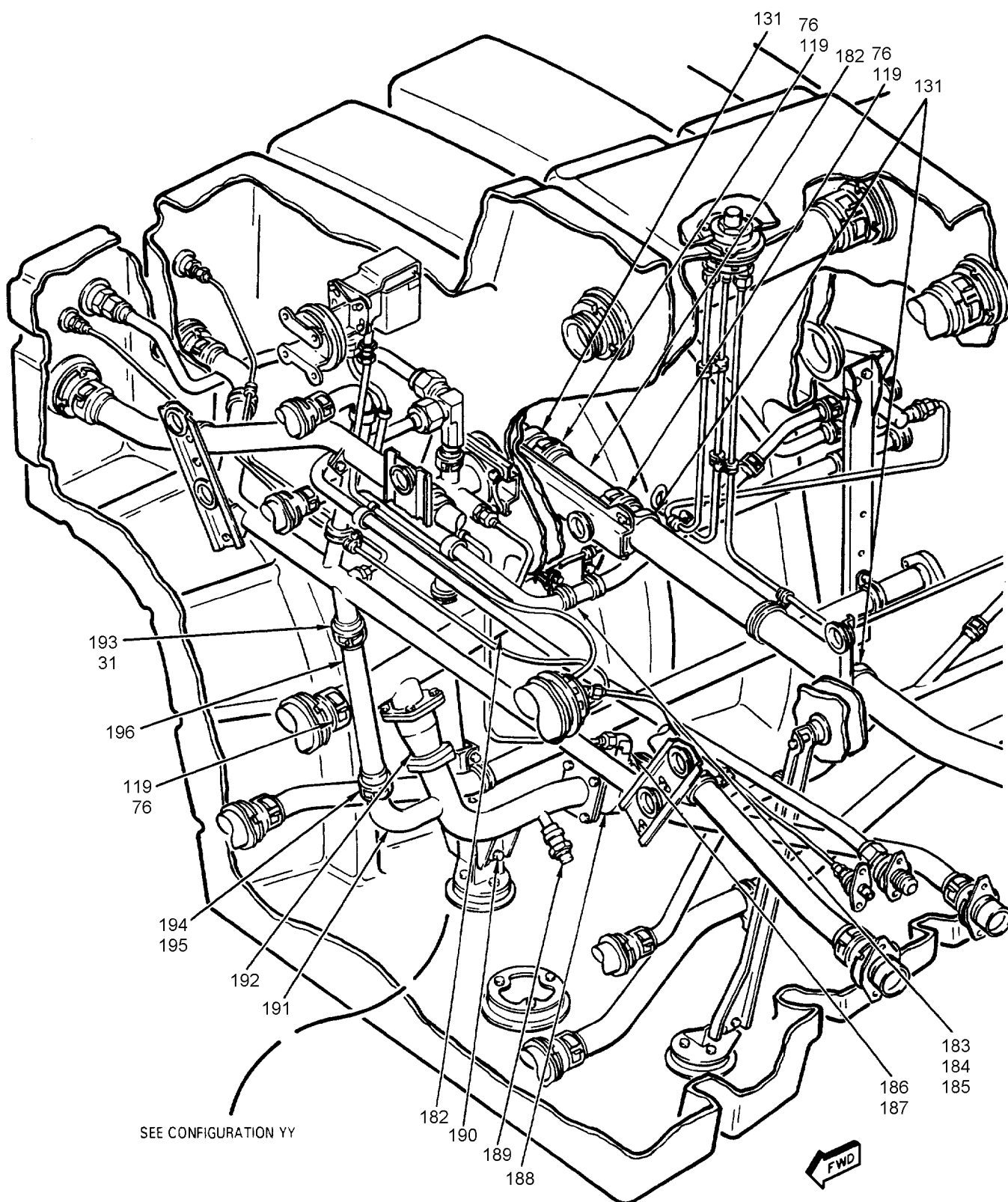
02800113

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 13)



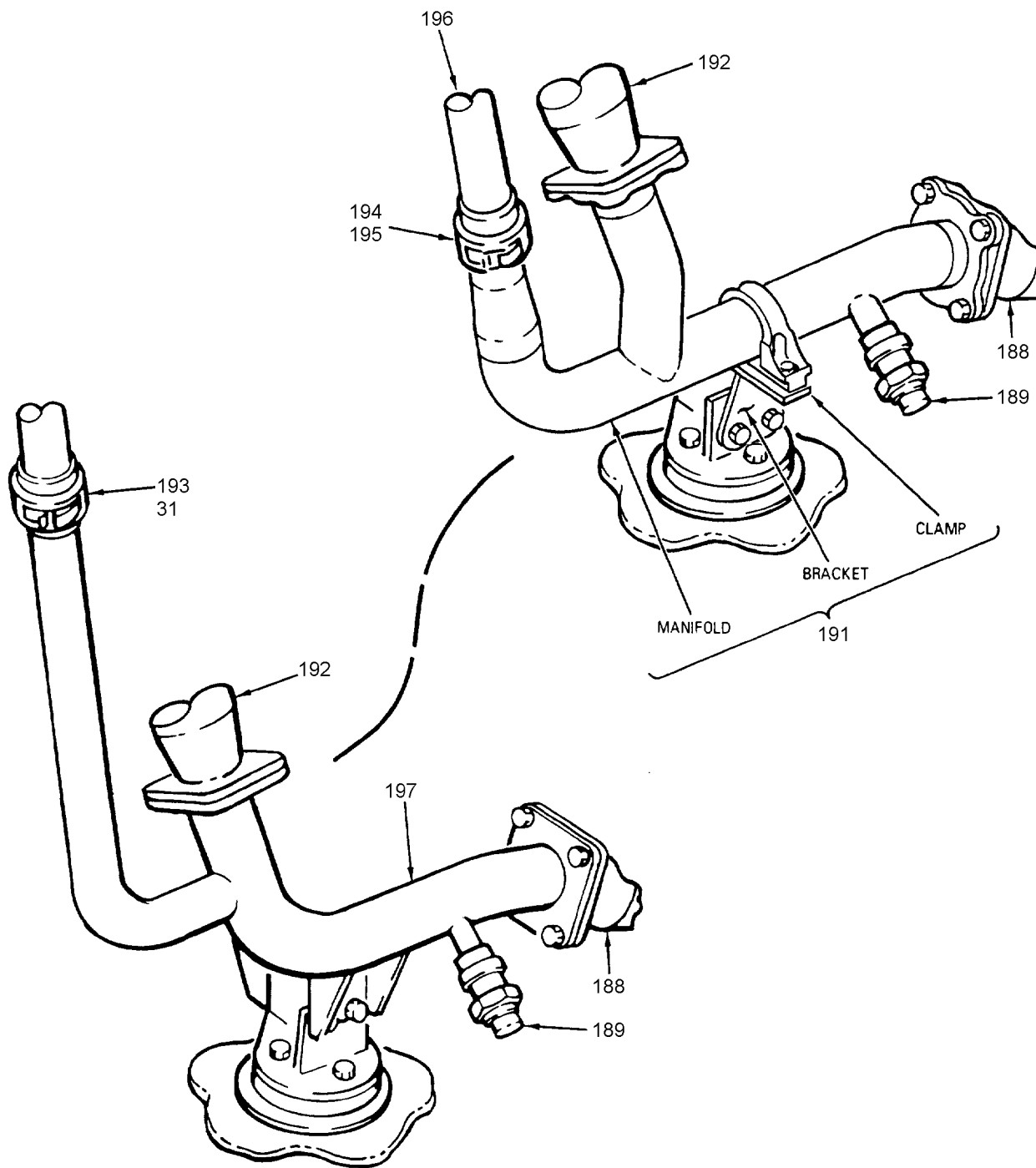
02800114

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 14)

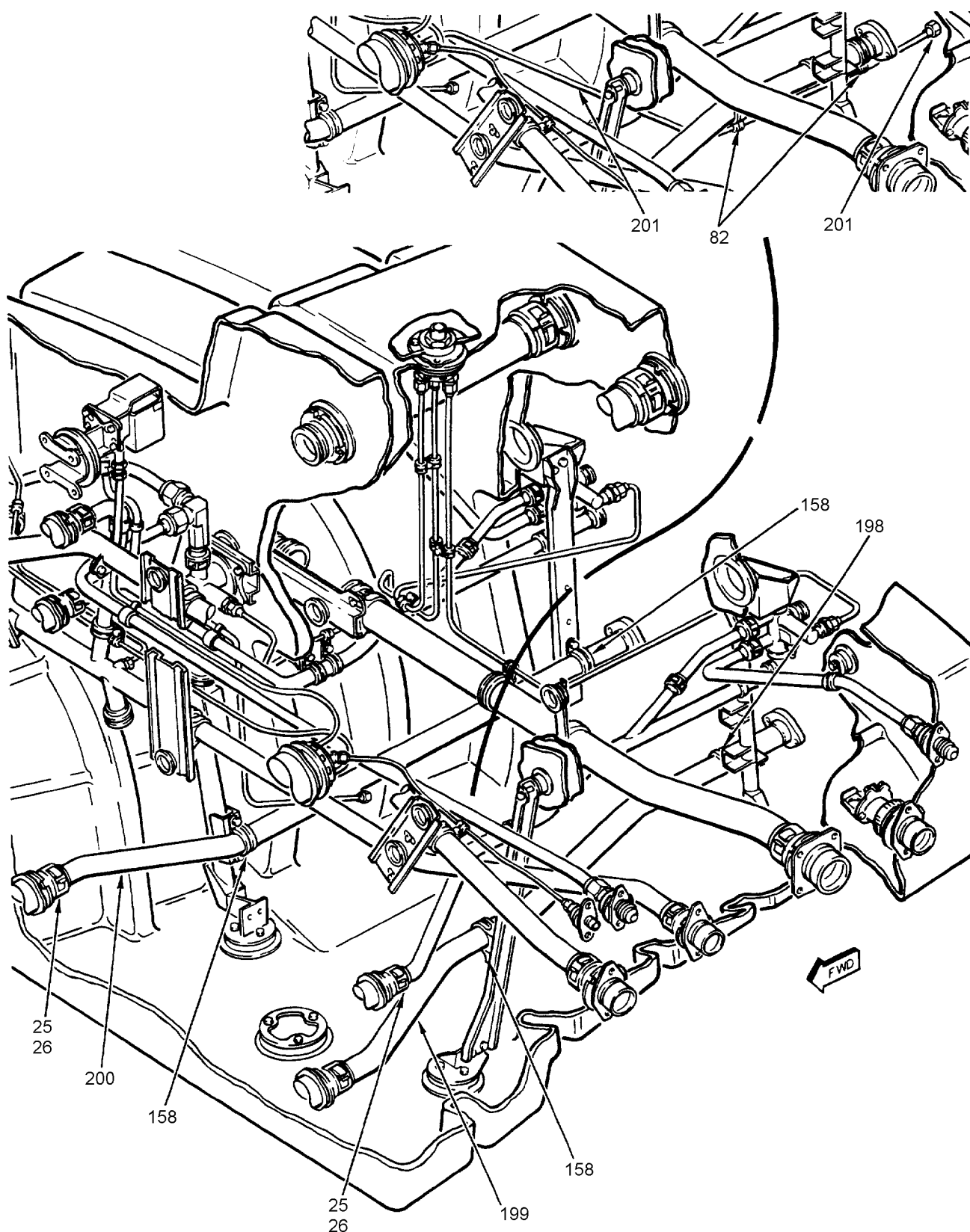


02800115

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 15)



CONFIGURATION Y Y



02800117

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 17)

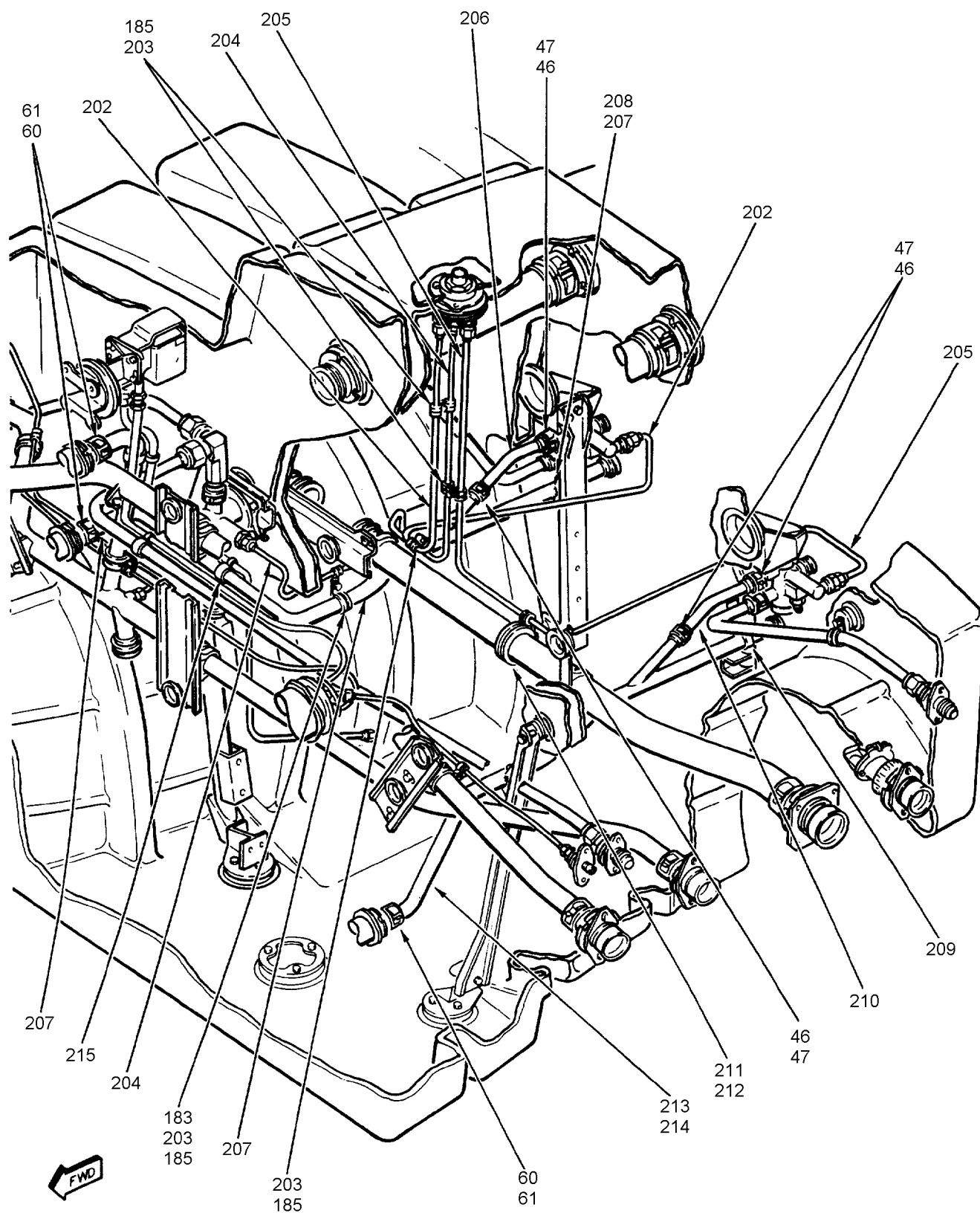
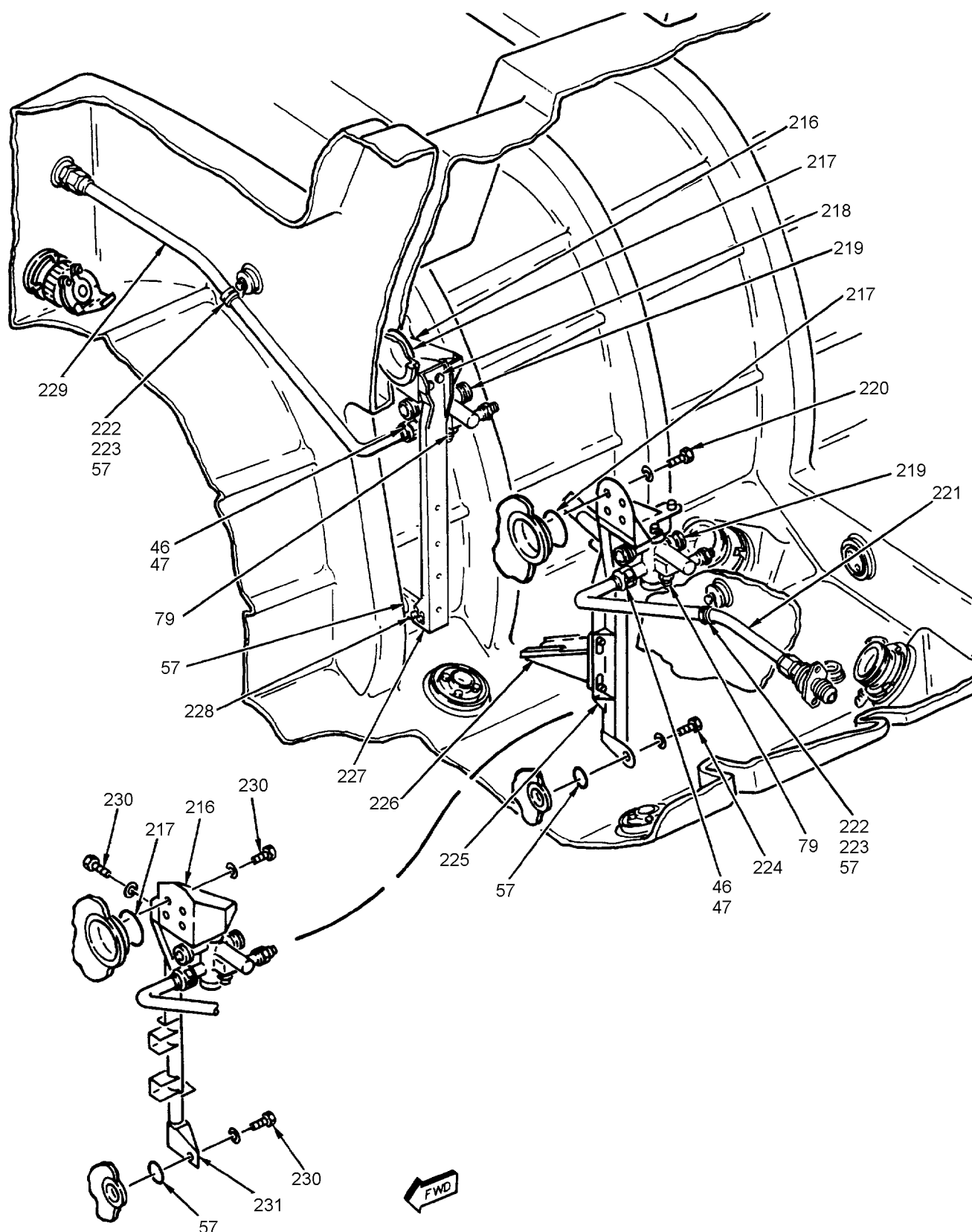
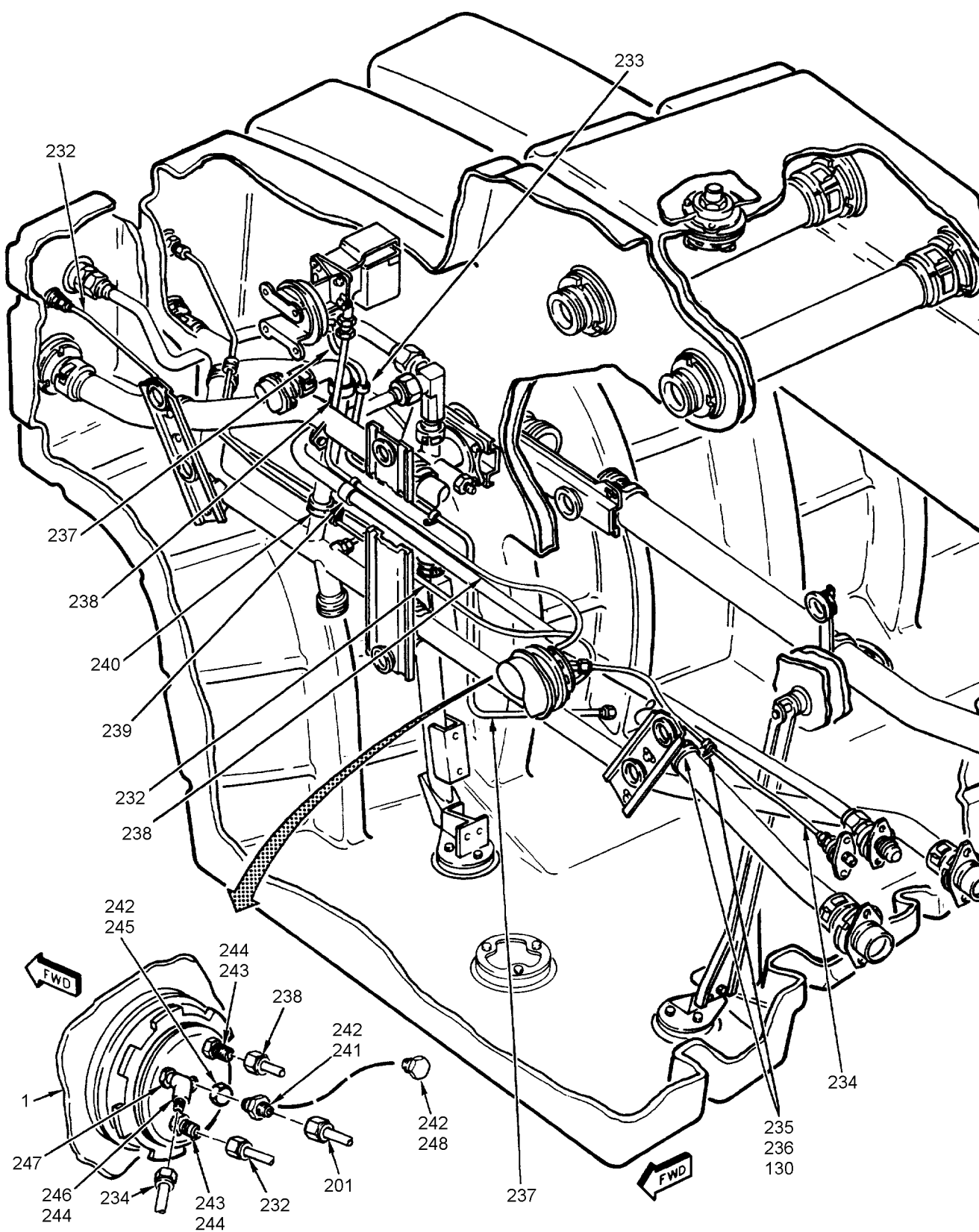


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 18)



02800119

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 19)



02800120

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 20)

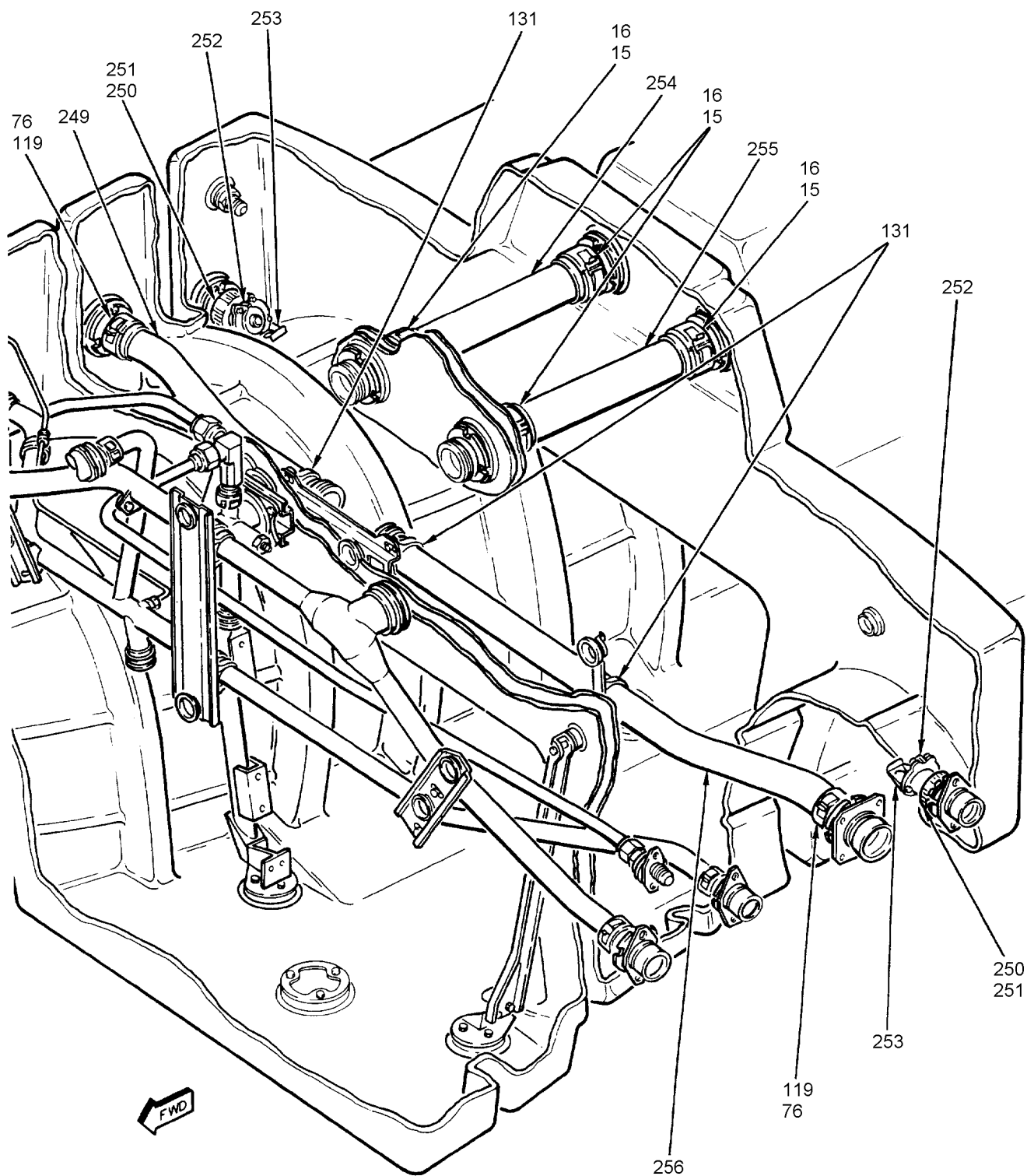


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 21)

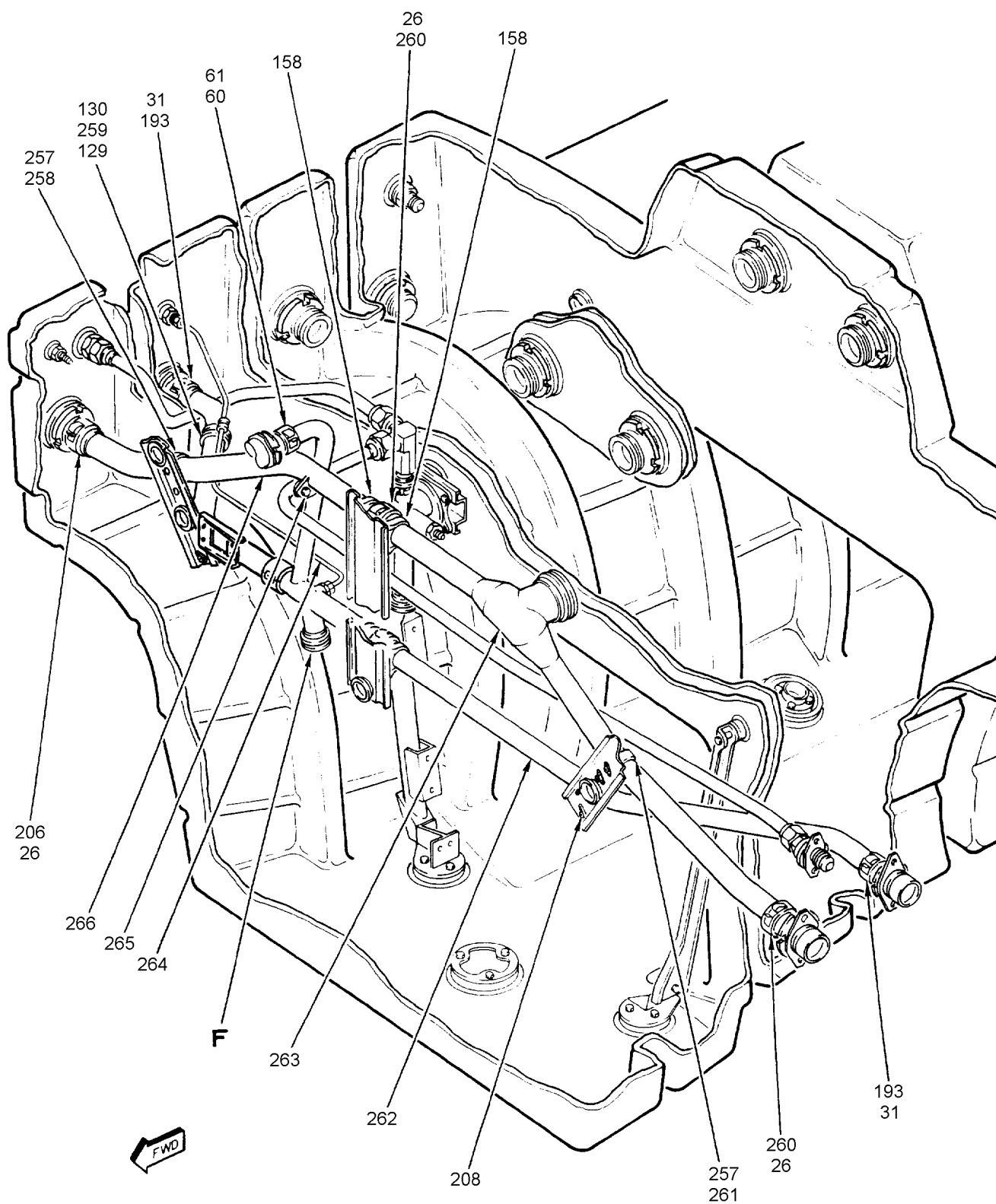
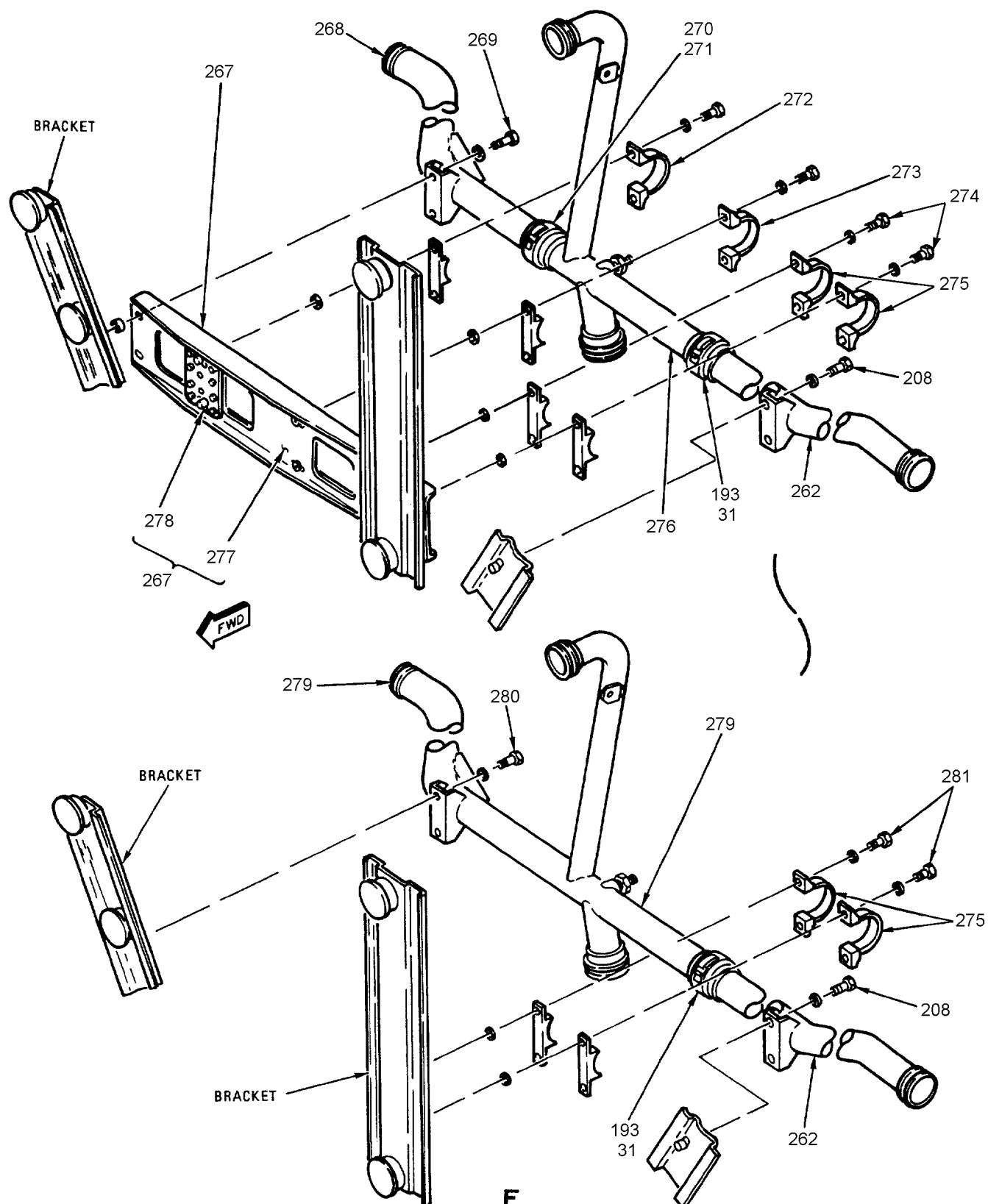


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 22)



02800123

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 23)

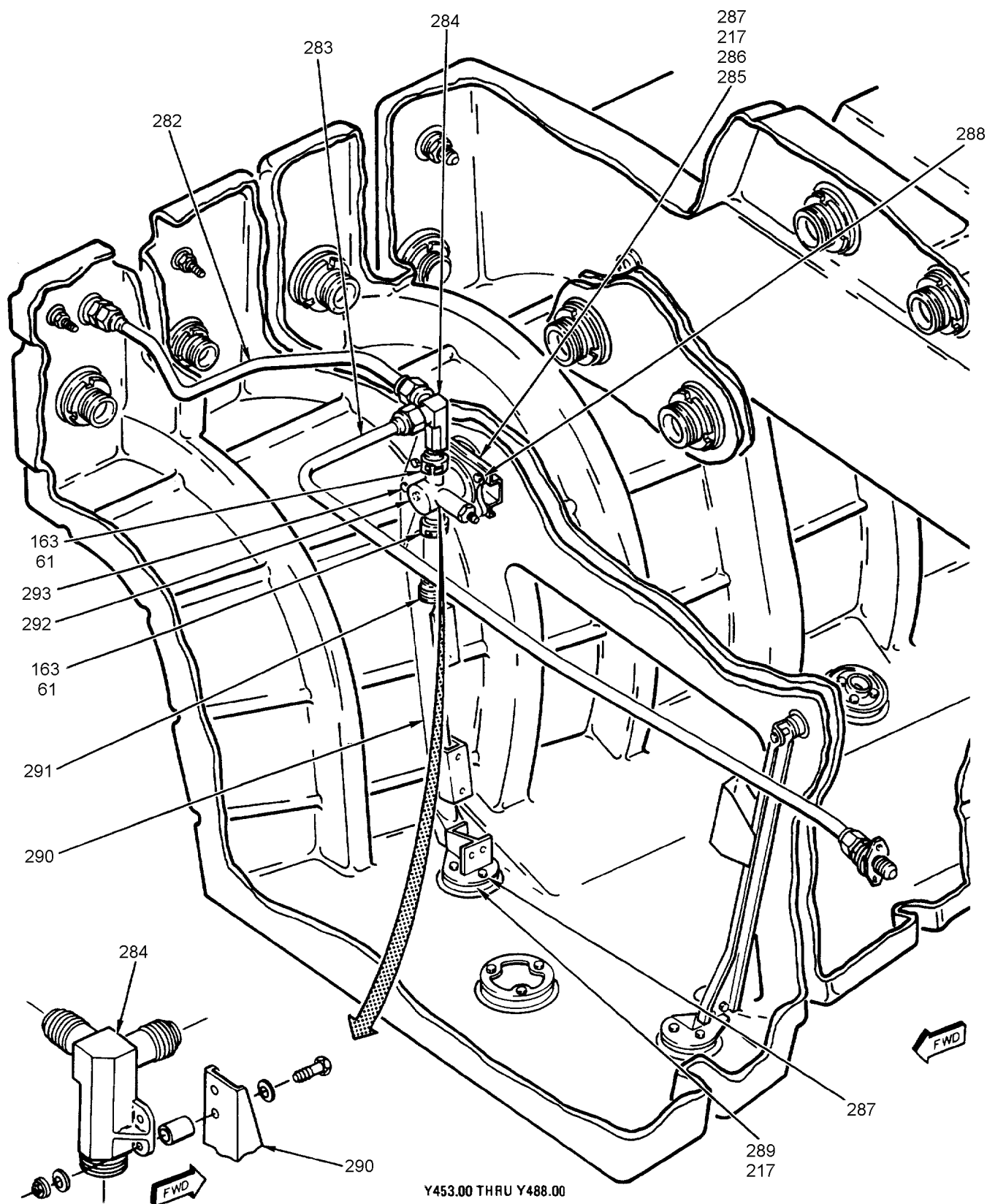
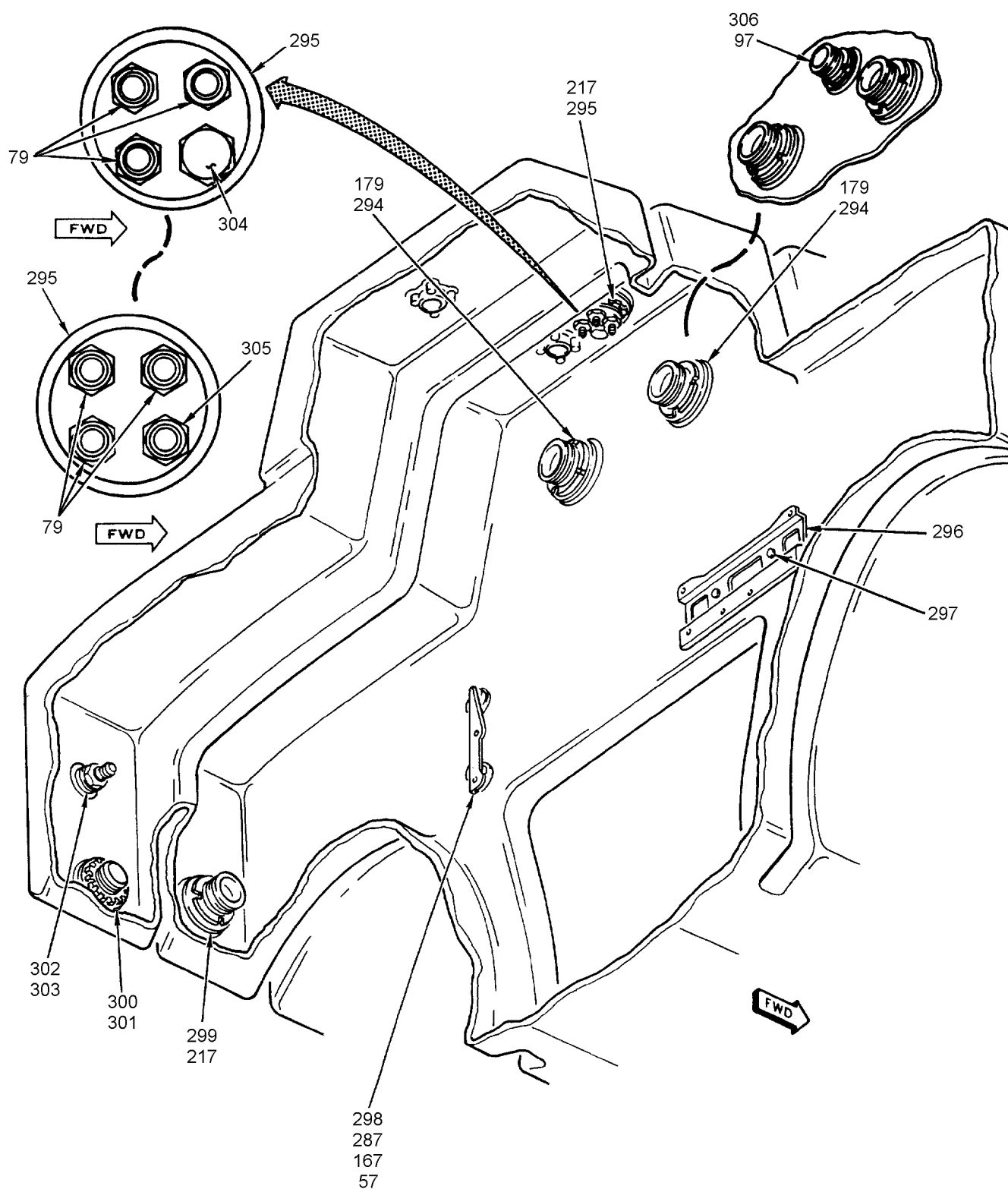


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 24)



Y470.50 THRU Y488.00

02800125

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 25)

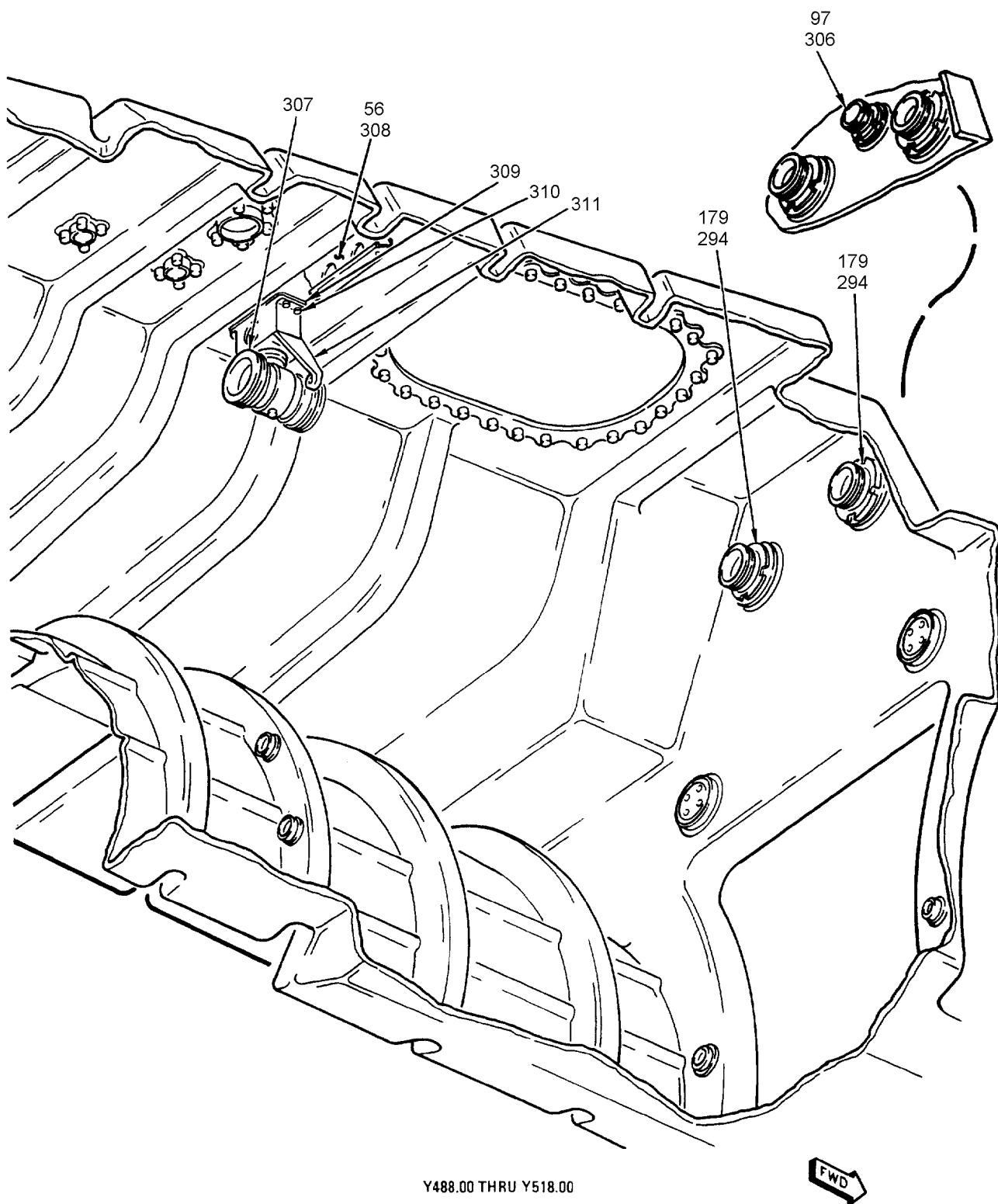


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 26)

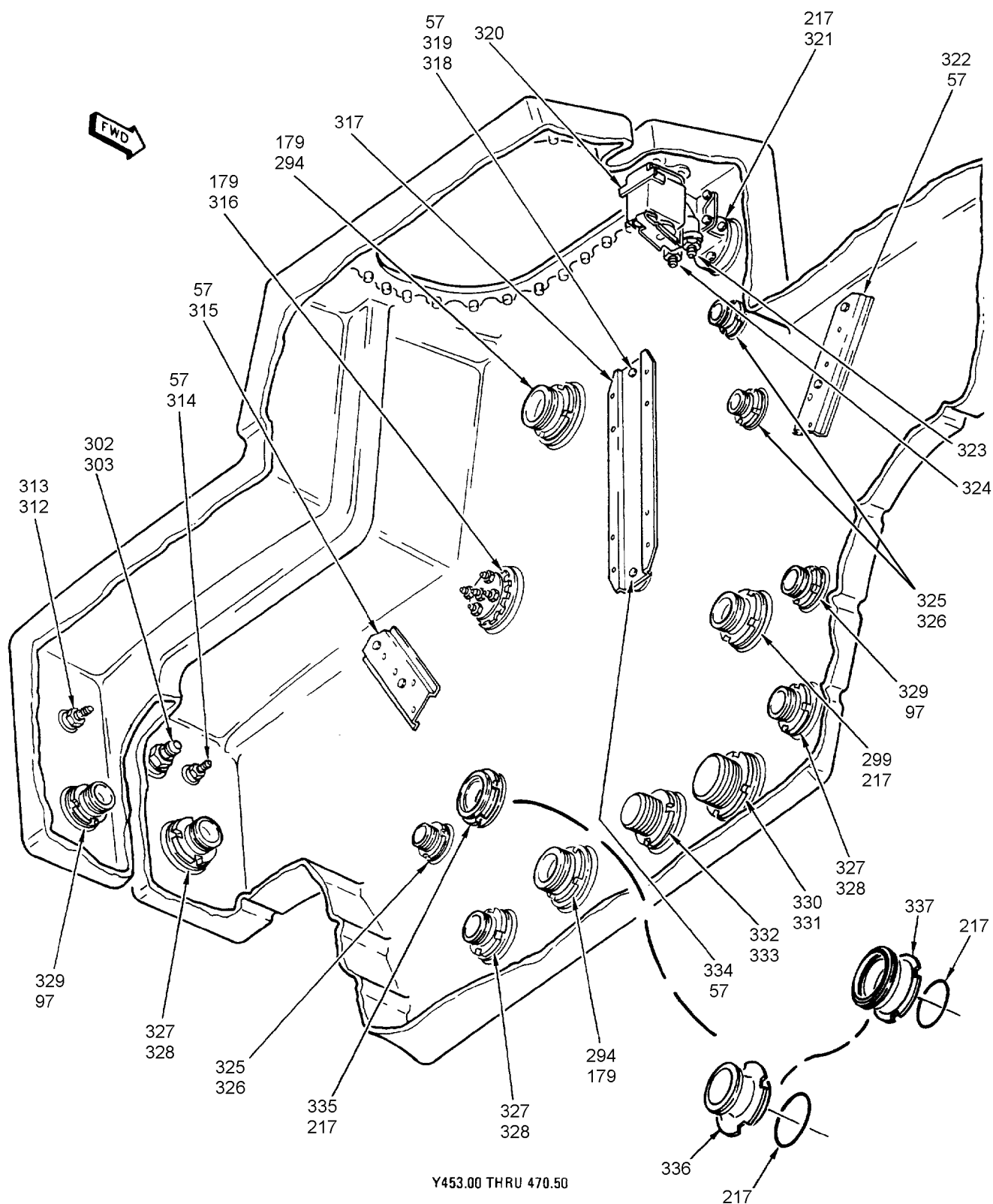
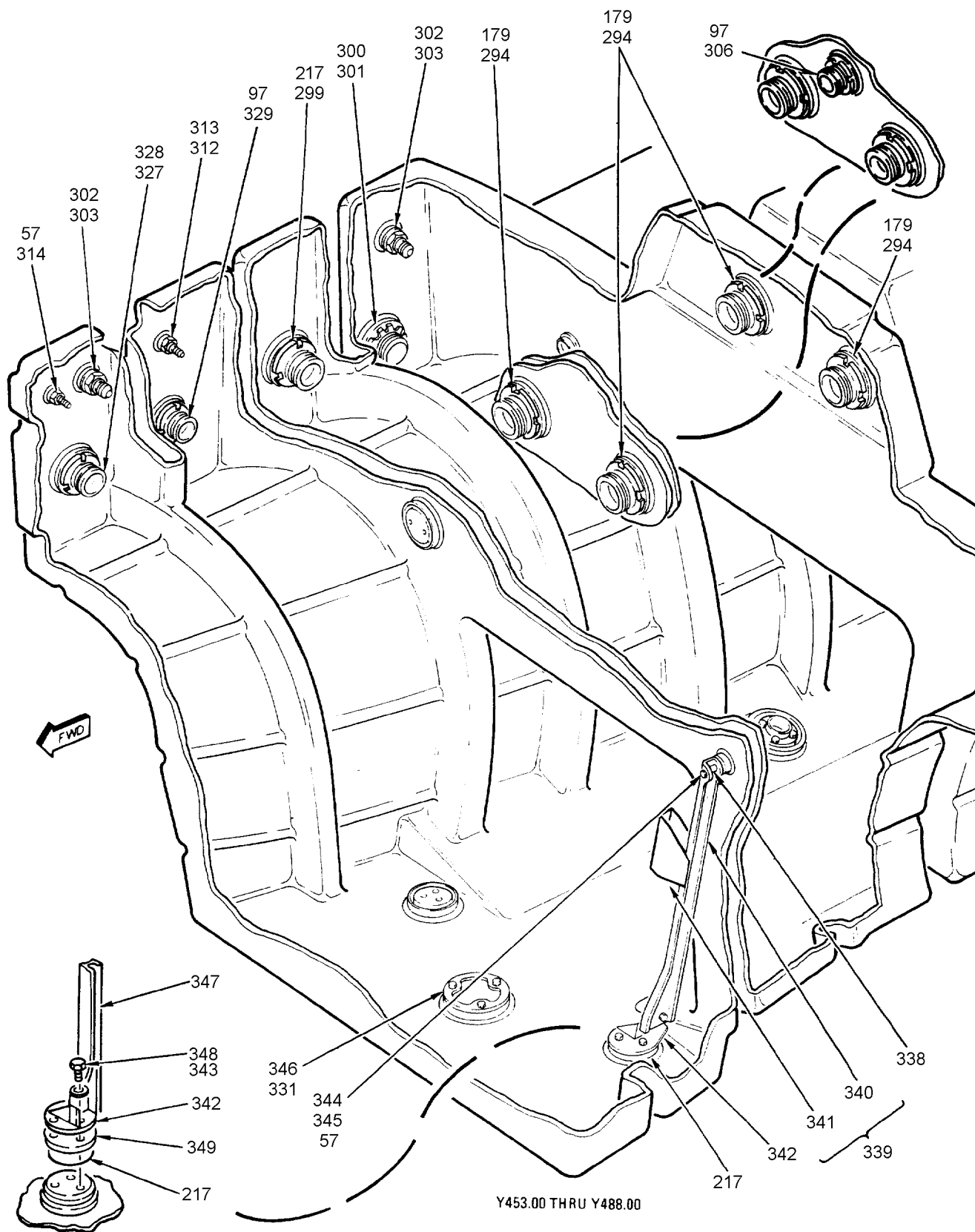


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 27)



02800128

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 28)

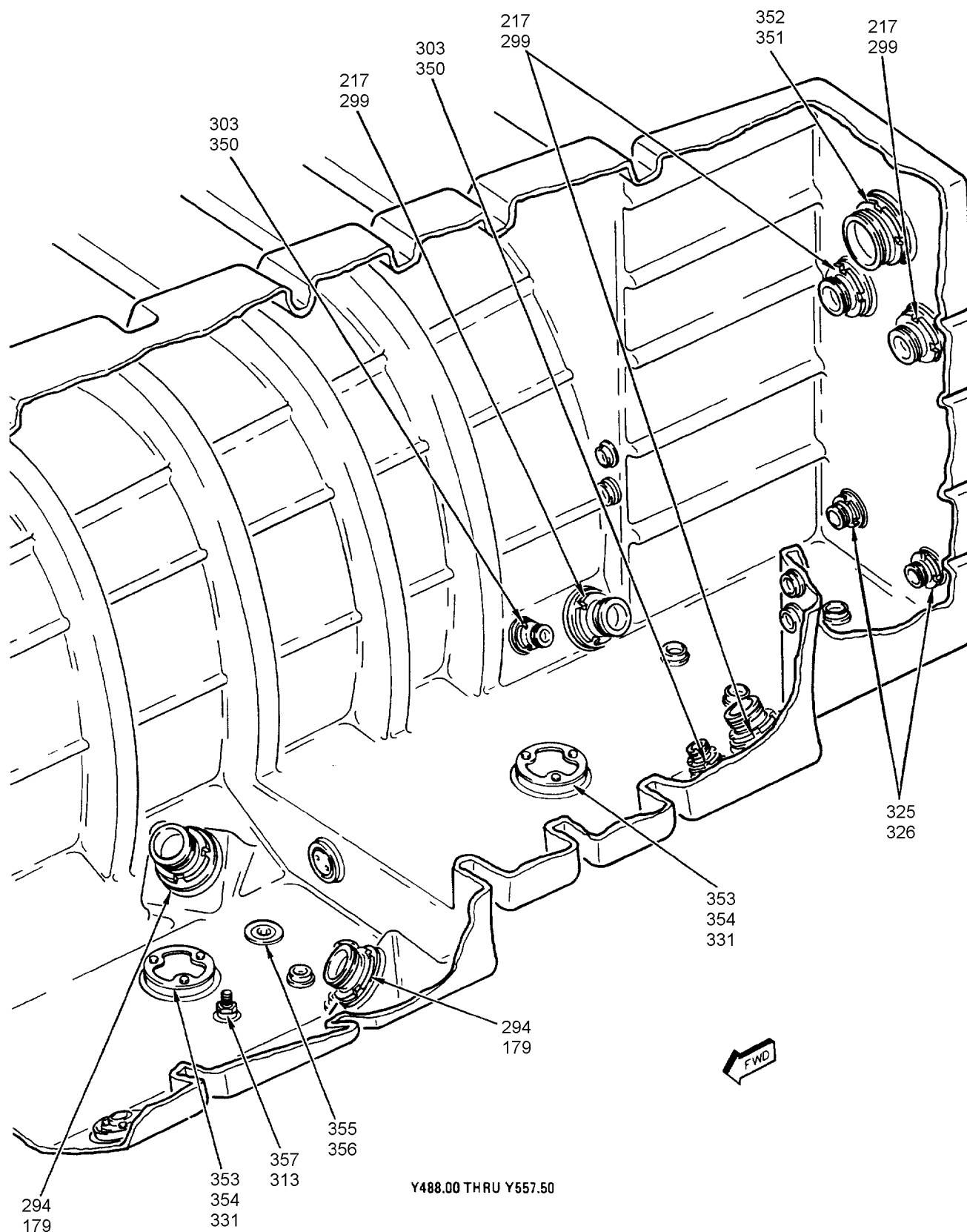


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 29)

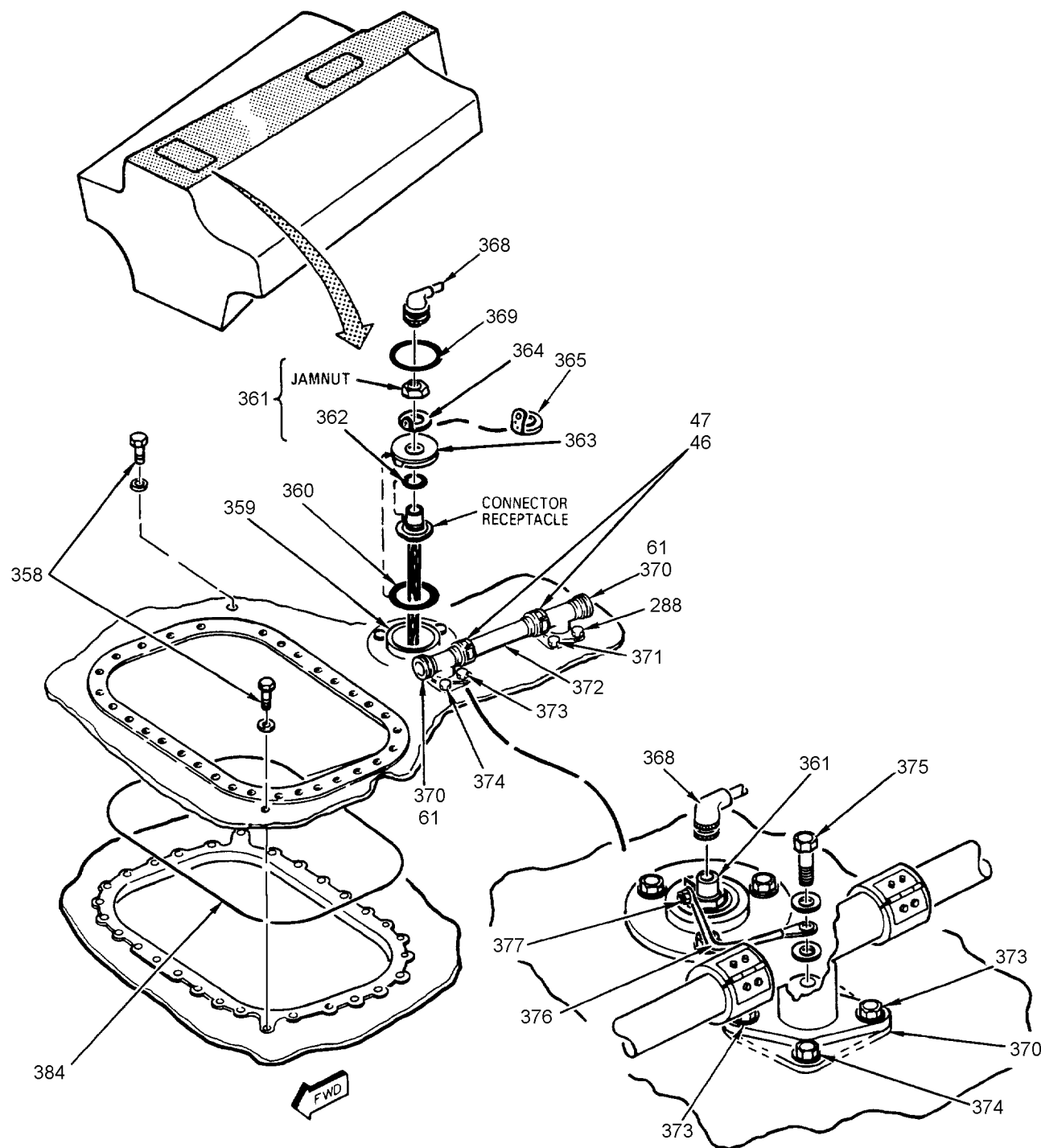
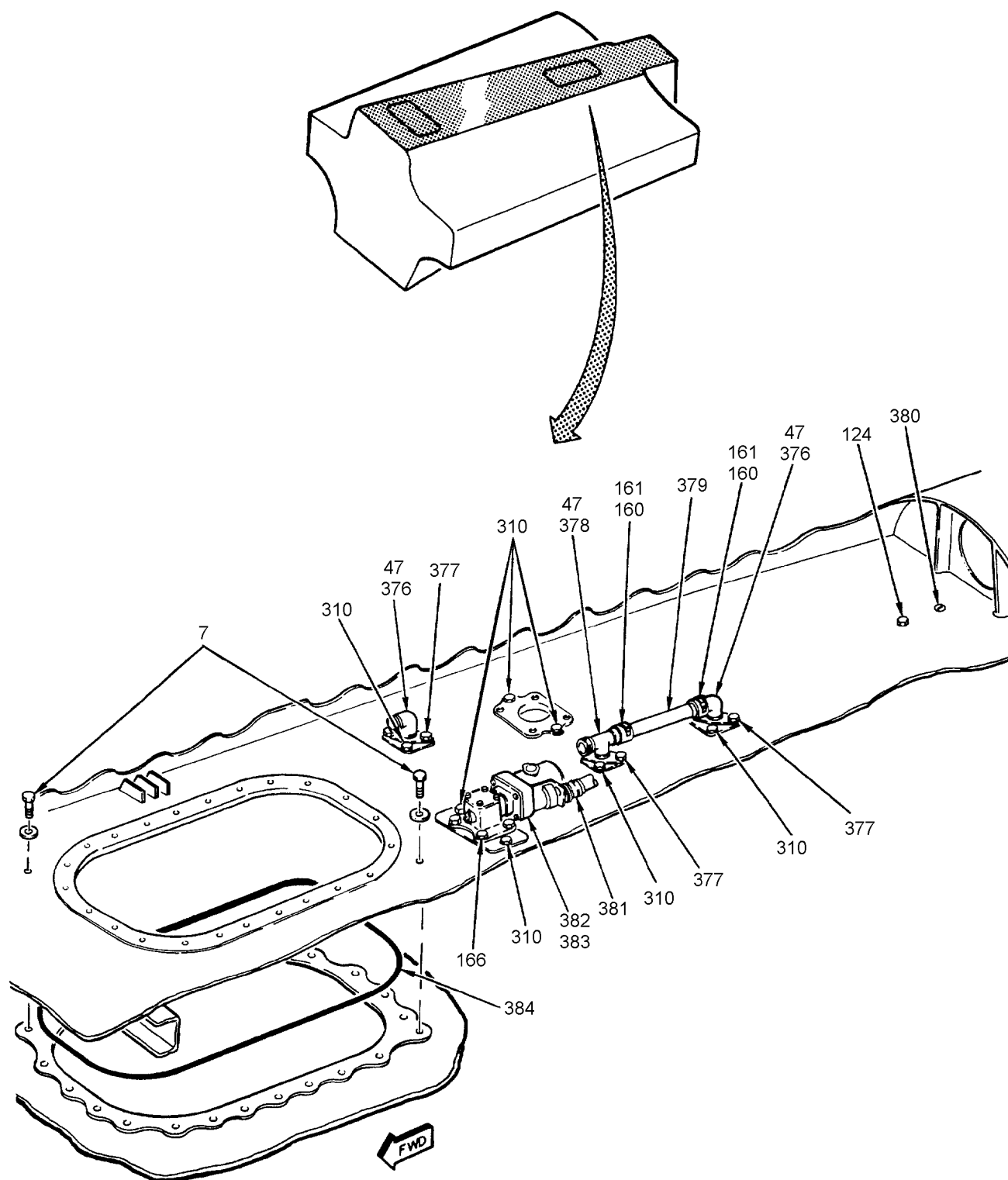
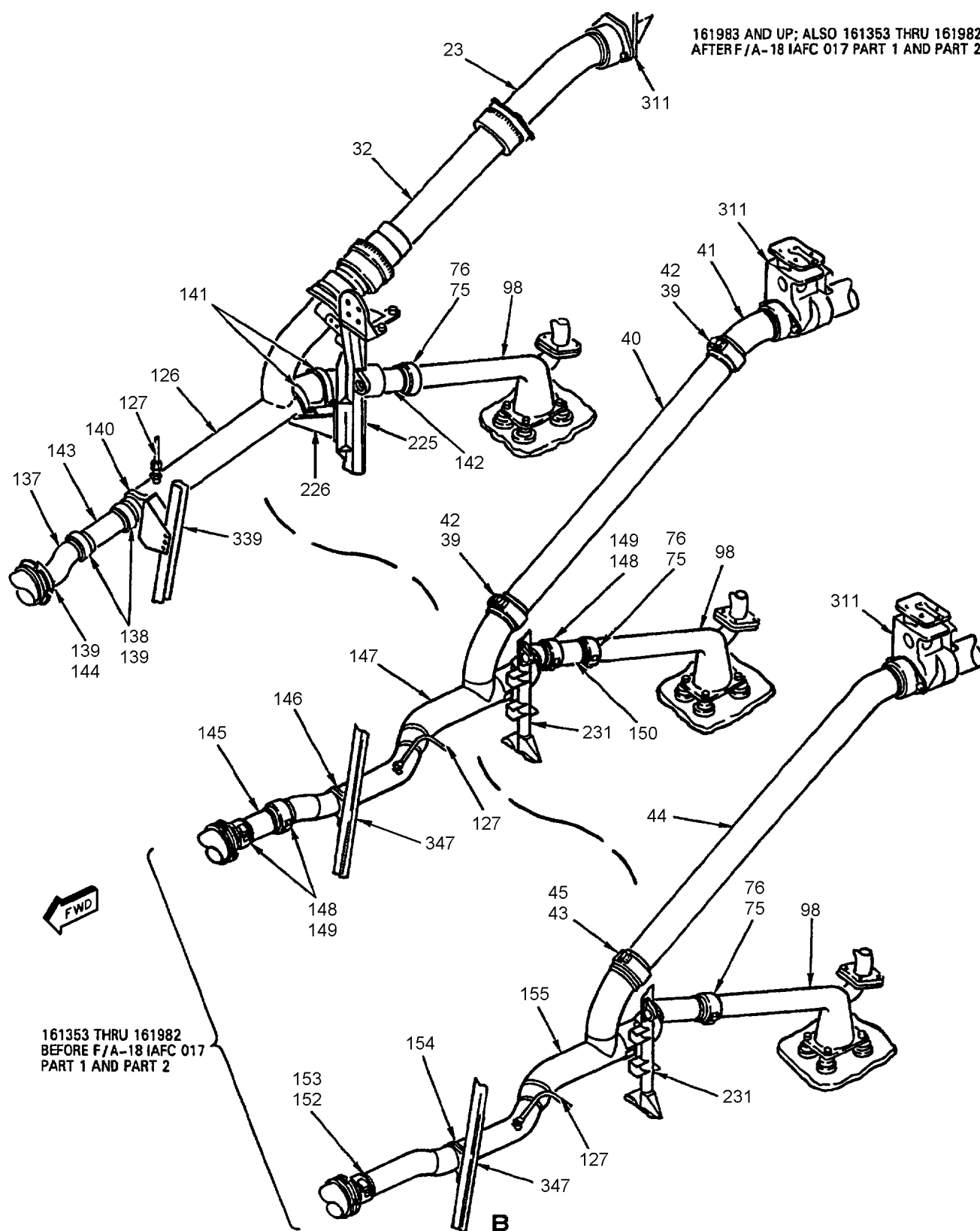


Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 30)



02800131

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 31)



02800132

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 32)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		NO. 4 FUEL TANK (5CAP520) (PARTS KIT. AVAILABLE)									
1	62004-11	.	TANK, FUEL, AIRCRAFT - FUSELAGE,						1	T*	PAODD
			BLADDER TYPE - NUMBER 4 (NO. 4 FUEL TANK) (05476) (MCDONNELL SPEC 74-580161-129) (5CAP520)								
	FCR-63327	.	TANK, FUEL, AIRCRAFT - FUSELAGE,						1	T*	PAODD
			BLADDER TYPE - NUMBER 4 (NO. 4 FUEL TANK) (00333) (MCDONNELL SPEC 74-580161-129) (5CAP520)								
	62004-17	.	TANK, FUEL, AIRCRAFT - FUSELAGE,						1	E*	PAODD
			BLADDER TYPE - NUMBER 4 (NO. 4 FUEL TANK) (05476) (MCDONNELL SPEC 74-580161-135) (5CAP520)								
	FCR-63453	.	TANK, FUEL, AIRCRAFT - FUSELAGE,						1	E*	PAODD
			BLADDER TYPE - NUMBER 4 (NO. 4 FUEL TANK) (00333) (MCDONNELL SPEC 74-580161-135) (5CAP520)								
2	MS27467T9B35S	.	CONNECTOR, PLUG (5P-R034)						1		PAOZZ
3	472995-407	.	TRANSMITTER, LIQUID QUANTITY, TANK						1		PAOZZ
			NO. 4, APT (NO. 4 FUEL TANK AFT FUEL QUANTITY TRANSMITTER) (89305) (MCDONNELL SPEC 74-580056-221) (5A-R034) (REPLACES 472995-307)								
	472995-307	.	SEE ABOVE (USE UNTIL EXHAUSTED),						1	AC	PAOZZ
	NAS674V5	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
4	MS29513-228	.	PACKING						1		PAOZZ
5	MA11A1185-223	.	ACTUATOR, ELECTRO-MECHANICAL,						2		PAOZZ
			ROTARY-VALVE, ENG FEEDLINE (LEFT SIDE AND RIGHT SIDE) (ENGINE FUEL SHUTOFF VALVE MOTOR) (73760) (MCDONNELL SPEC 74-580141-223) (5B-P072 AND 5B-R070)								
	MA11A1185-217	.	ACTUATOR, ELECTRO-MECHANICAL						2	*	PAOZZ
			ROTARY-VALVE, ENG FEEDLINE (LEFT SIDE AND RIGHT SIDE) (ENGINE FUEL SHUTOFF VALVE MOTOR) (73760) (MCDONNELL SPEC 74-580141-217) (5B-P072 AND 5B-R070)								
6	M25988/1-214	.	PACKING						6		PAOZZ
7	NAS674V4	.	BOLT						8		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 7)						8		PAOZZ
8	MS27467T11B35S	.	CONNECTOR, PLUG (5P-P072 AND 5P-R070)						2		PAOZZ
9	74A585727-1001 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR,						1		XBOZZ
			NONPROTRUDING - ENGINE FUEL SYS, TANK 4 (LEFT) (76301) (REPLACES 74A586419-1003 AND 74A586419-1005)								
	74A586419-1003 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR,						1	S	XBOZZ
			PROTRUDING - ENGINE FUEL SYSTEM (LEFT) (76301) (REPLACED BY 74A585727-1001)								
	74A586419-1005 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR,						1	A	XBOZZ
			PROTRUDING - ENGINE FUEL SYSTEM (LEFT) (76301) (REPLACED BY 74A585727-1001)								
	74A585727-1002 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR,						1		XBOZZ
			NONPROTRUDING - ENGINE FUEL SYS, TANK 4 (RIGHT) (76301) (REPLACES 74A586419-1004 AND 74A586419-1006)								
	74A586419-1004 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR,						1	S	XBOZZ
			PROTRUDING - ENGINE FUEL SYSTEM (RIGHT) (76301) (REPLACED BY 74A585727-1002)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 33)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	74A586419-1006 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR,						1	A	XBOZZ
			PROTRUDING - ENGINE FUEL SYSTEM								
			(RIGHT) (76301) (REPLACED BY								
			74A585727-1002)								
	NAS673V3	.	BOLT (AP)						4		PAOZZ
	AN960JD10	.	WASHER (AP)						4		PAOZZ
10	W901K40CE	.	COUPLING, CLAMP, GROOVED (79326)						2	*	PAOZZ
			(MCDONNELL SPEC 7M765-40C)								
			(INCLUDES SLEEVE)								
	14J12-40C	.	COUPLING, CLAMP, GROOVED (24984)						2	*	PAOZZ
			(MCDONNELL SPEC 7M765-40C)								
			(INCLUDES SLEEVE)								
11	MS29513-230	.	PACKING						5		PAOZZ
12	74A586954-1005	.	TUBE ASSEMBLY, METAL - FUEL SYSTEM,						1		PAOZZ
			Y523.65 - Y534 (LEFT) (76301) (LEFT SIDE)								
	74A586953-1005	.	TUBE ASSEMBLY, METAL - MAIN ENG FEED,						1		PAOZZ
			RIGHT SIDE, Y534 (76301)								
13	74A586462-1003	.	TUBE ASSEMBLY, METAL - CLIMB VENT						1		XBOZZ
			(76301) (SUPERSEDES 74A586462-1001)								
	NAS673V2	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
14	74A586465-1007	.	MANIFOLD, FLUID, AIRCRAFT - MAIN VENT,						1		PAOZZ
			FUEL TK NO. 4 (76301) (REPLACES								
			74A586465-1003)								
	74A586465-1005	.	SEE ABOVE						1	*	PAOZZ
	74A586465-1003	.	MANIFOLD, FLUID, AIRCRAFT - MAIN VENT,						1	A	PAOZZ
			FUEL TK NO. 4 (76301) (USE UNTIL								
			EXHAUSTED)								
15	W901K40DE	.	COUPLING, CLAMP, GROOVED (79326)						22		PAOZZ
			(MCDONNELL SPEC 7M765-40D)								
			(INCLUDES SLEEVE)								
	14J12-40A	.	SEE ABOVE (24984)						22		PAOZZ
16	NS29513-230	.	PACKING						44		PAOZZ
17	NS25281-R6	.	CLAMP (SUPERSEDES MS25281-6)						2	V	PAOZZ
	NAS673V5	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ
	NAS1291C3M	.	NUT (AP)						1		PAOZZ
18	74A586506-1003	.	TUBE ASSEMBLY, METAL - Y482 TO DORSAL						1	V	MGOZZ
			DECK ADAPTER (76301) (SUPERSEDES								
			74A586506-1001)								
19	7M637BD-6D	.	NIPPLE (76301)						1	V	PAOZZ
20	74A586429-1095	.	SUPPORT ASSEMBLY (76301) (SUPERSEDES						1		XBOOO
			74A586429-1015)								
	NAS674V1	.	BOLT (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						2		PAOZZ
21	74A586467-1009	.	TUBE ASSEMBLY, METAL - MAIN VENT, Y488						1		PAOZZ
			TO Y518 (76301) (REPLACES								
			74A586467-1007)								
	74A586467-1007	.	TUBE ASSEMBLY, METAL - MAIN VENT, Y488						1	A	PAOZZ
			TO Y518 (76301) (USE UNTIL EXHAUSTED)								
22	74A586464-1007	.	TUBE ASSEMBLY, METAL - CLIMB VENT, Y490						1		PAOZZ
			TO Y516 (76301)								
	74A586464-1005	.	TUBE ASSEMBLY, METAL - CLIMB VENT, Y490						1	*	PAOZZ
			TO Y516 (76301)								
23	74A586484-1009 ‡	.	TUBE ASSEMBLY, METAL - FUEL DUMP, Y495						1	AK	PAOZZ
			TO VALVE (76301)								
24	NAS674V4	.	BOLT						2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 24)						2		PAOZZ
25	W901K24DE	.	COUPLING, CLAMP, GROOVED (79326)						4	*	PAOZZ
			(MCDONNELL SPEC 7M765-24D)								
			(INCLUDES SLEEVE)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 34)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	14J12-24A	.						COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	4	*	PAOZZ
26	MS29513-222	.						PACKING	20		PAOZZ
27	74A586429-1053	.						BRACKET ASSEMBLY (76301)	1		XBOOO
	NAS674V1	.						BOLT (AP)	2		PAOZZ
	AN960JD416L	.						WASHER (AP)	2		PAOZZ
	MS21060L3	.						NUT, PLATE (USE WITH INDEX 27)	1		PAOZZ
	MS20246AD3 #	.						RIVET (AP)	2		-
28	JN44LC33WD40	.						CLAMP, LOOP (2217-5) (MCDONNELL SPEC ST9M630D40)	1	*	PAOZZ
	830WD40G	.						SEE ABOVE (83930)	1	*	PAOZZ
	NAS673V14	.						BOLT (AP)	1		PAOZZ
	AN960JD10L	.						WASHER (AP)	1		PAOZZ
	NAS43DD3-48	.						SPACER (AP)	1		PAOZZ
29	NAS1787A32G	.						CLAMP	1		PAOZZ
	NAS673V9	.						BOLT (AP)	2		PAOZZ
	AN960JD10L	.						WASHER (AP)	2		PAOZZ
30	W901R20DE	.						COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	3	*	PAOZZ
	14J12-20A	.						COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	3	*	PAOZZ
31	MS29513-218	.						PACKING	14		PAOZZ
32	AE83974T ‡	.						FUEL DUCT ASSEMBLY (00624) (MCDONNELL SPEC 74-580105-101)	1	AK	PAOZZ
33	74A586492-1013	.						MANIFOLD, FLUID, AIRCRAFT - MOTIVE FLOW BOOST XFR FUEL (76301) (SUPERSEDES 74A586492-1009)	1		PAOZZ
34	NAS674V4 ‡	.						BOLT	5	AK	PAOZZ
	AN960JD416L ‡	.						WASHER (USE WITH INDEX 34)	5		PAOZZ
35	NAS674V3	.						BOLT	6		PAOZZ
	AN960JD416	.						WASHER (USE WITH INDEX 35)	6		PAOZZ
36	MS25083-7BC10	.						LEAD, ELECTRICAL	1	AR	PAOZZ
	MS16995-35	.						SCREW (AP)	1	AK	PAOZZ
37	MS29513-231 ‡	.						PACKING	2	AR	PAOZZ
38	NAS674V5 ‡	.						BOLT	3	AK	PAOZZ
	AN960JD416L ‡	.						WASHER (USE WITH INDEX 38)	3		PAOZZ
39	W901K40DE φ	.						COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	2	AL*	PAOZZ
	14J12-40A φ	.						SEE ABOVE (24984)	2	AL*	PAOZZ
40	74A586484-1005 φ	.						TUBE ASSEMBLY, METAL - FUEL DUMP, Y495 TO VALVE (76301) (TUBE ASSY, LOWER) (REPLACES 74A586484-1001)	1	AL	PAOZZ
41	74A586484-1007 φ	.						TUBE ASSEMBLY, METAL - FUEL DUMP Y495 TO VALVE (76301) (REPLACES 74A586484-1001)	1	AL	PAOZZ
42	MS29513-230 φ	.						PACKING	4	AL	PAOZZ
43	W901K40DE φ	.						COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	2	AL*	PAOZZ
	14J12-40A φ	.						SEE ABOVE (24984)	2	AL*	PAOZZ
44	74A586484-1001 φ	.						TUBE ASSEMBLY, METAL - FUEL DUMP, Y495 TO VALVE (76301) (REPLACED BY 74A586484-1005 AND 74A586484-1007)	1	AL	XBOZZ
45	MS29513-230 φ	.						PACKING	2	AL	PAOZZ
46	W901K12DE	.						COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-12D) (INCLUDES SLEEVE)	12		PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 35)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	14J12-12A	.						COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-12D) (INCLUDES SLEEVE)	12		PAOZZ
	W901F12DE	.						COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-12D) (INCLUDES SLEEVE)	12	*	PAOZZ
47	MS29513-117	.						PACKING	29		PAOZZ
48	2S2716	.						VALVE, CHECK - FUEL, SMALL LINE MOUNTED (HOT FUEL RECIRCULATION CHECK VALVE) (99240) (MCDONNELL SPEC 74-580125-105) (5VAP584 AND 5VAR585)	2		PAOZZ
49	74A586860-1005	.						TUBE ASSEMBLY, METAL - VENT TANK SCAV. LINE THRU TANK 4, RH (76301) (SUPERSEDES 74A586860-1003)	1		XBOZZ
50	74A586867-1011	.						TUBE ASSEMBLY, METAL - RH HOT FUEL. RECIRC DTV V TO Y537 (76301) (SUPERSEDES 74A586867-1005, 74A586667-1007 AND 74A586867-1009)	1		XBOZZ
51	MS25281-R12	.						CLAMP	2		PAOZZ
52	MS25281-R16	.						CLAMP	3		PAOZZ
53	NAS673V4	.						BOLT	2		PAOZZ
	AN960JD10L	.						WASHER (USE WITH INDEX 53)	2		PAOZZ
	NAS1291C3M	.						NUT (USE WITH INDEX 53)	2		PAOZZ
54	MS25281-R16	.						CLAMP	2		PAOZZ
	NAS673V3	.						BOLT (AP)	1		PAOZZ
	AN960JD416L	.						WASHER (AP)	1		PAOZZ
55	74A586429-1085	.						SUPPORT ASSEMBLY (76301)	1		PAOOO
	74A586429-1027	.						SEE ABOVE	1	*	XBOGG
	74A586429-2185	.						SUPPORT (76301) (USE WITH INDEX 55).	1		XAOZZ
	MS21062L3	.						NUT, PLATE (USE WITH INDEX 55)	4		PAOZZ
	MS20426AD3 #	.						RIVET, (AP)	2		-
56	NAS674V1	.						BOLT	11		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 56)	11		PAOZZ
57	M25988/1-312	.						PACKING	32		PAOZZ
58	AN735D16	.						CLAMP	1	P	PAOZZ
	NAS673V4	.						BOLT (AP)	1		PAOZZ
	AN960JD10L	.						WASHER (AP)	2		PAOZZ
	NAS1291C3M	.						NUT (AP)	1		PAOZZ
59	MS25083-7BB6	.						LEAD, ELECTRICAL	3	P	PAOZZ
60	W901K16DE	.						COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	13		PAOZZ
	14J12-16A	.						COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	13		PAOZZ
	W901F16DE	.						COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	13	*	PAOZZ
61	MS29513-214	.						PACKING	28		PAOZZ
62	MS25281-R24	.						CLAMP (SUPERSEDES MS25281-24)	1		PAOZZ
63	NAS673V4	.						BOLT	1		PAOZZ
	AN960JD10L	.						WASHER (USE WITH INDEX 63)	1		PAOZZ
	NAS1291C3M	.						NUT (USE WITH INDEX 63)	1		PAOZZ
64	74A586496-1009	.						TUBE ASSEMBLY, METAL - VENT TANK SCAV. LINE THRU TANK 4, LH (76301) (SUPERSEDES 74A586496-1005 AND 74A586496-1007)	1		XBOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 36)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
65	74A586866-1015	.	TUBE ASSEMBLY, METAL - LH HOT FUEL.....						1		XBOZZ
			RECIRC, DTY V TO Y537 (76301)								
			(SUPERSEDES 74A586866-1005,								
			74A586866-1007, 74A586866-1009								
			OR 74A586866-1011)								
66	NAS43DD4-5	.	SPACER						2		PAOZZ
67	74A586850-1011	.	TUBE ASSEMBLY, METAL - ELEC CONDUIT.....						1		MGOZZ
			LOWER, RH (76301) (SUPERSEDES								
			74A586850-1003)								
68	MS25281-R24	.	CLAMP (SUPERSEDES MS25281-24).....						2	V	PAOZZ
69	MS25281-R6	.	CLAMP (SUPERSEDES MS25281-6).....						2	V	PAOZZ
	NAS673V5	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP).....						2		PAOZZ
	NAS1291C3M	.	NUT (AP).....						1		PAOZZ
70	NAS1787A24G	.	CLAMP						2		PAOZZ
	NAS673V9	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP).....						1		PAOZZ
71	74A586488-1008	.	MANIFOLD, FLUID, AIRCRAFT - MOTIVE.....						1		PBOZZ
			FLOW BOOST, MAIN FUEL (76301) (RIGHT								
			SIDE) (SUPERSEDES 74A586488-1002 AND								
			74A586488-1010)								
72	2760119-103	.	VALVE, CHECK - FUEL, LARGE LINE.....						2		PAOZZ
			MOUNTED (ENGINE TRANSFER								
			MOTIVE FLOW CHECK VALVE) (92003)								
			(MCDONNELL SPEC 74-580149-111)								
			(5VAR564 AND 5VAP565) (REPLACES								
			2760119-101)								
	2760119-101	.	VALVE, CHECK - FUEL, LARGE LINE.....						2	F	PAOZZ
			MOUNTED (ENGINE TRANSFER								
			MOTIVE FLOW CHECK VALVE) (92003)								
			(MCDONNELL SPEC 74-580149-101)								
			(5VAR564 AND 5VAP565) (USE UNTIL								
			EXHAUSTED)								
	MS29513-222	.	PACKING (USE WITH INDEX 72).....						1		PAOZZ
	NAS674V7	.	BOLT (AP)						4		PAOZZ
	AN960JD416	.	WASHER (AP).....						4		PAOZZ
73	NAS674V6	.	BOLT						8		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 73).....						8		PAOZZ
74	2760120-104	.	VALVE, CHECK - FUEL, LARGE LINE.....						2		PAOZZ
			MOUNTED (ENGINE MOTIVE FLOW								
			CHECK VALVE) (92003) (MCDONNELL								
			SPEC 74-580149-115) (5VAP561 AND								
			5VAR562)								
	2760120-103	.	VALVE, CHECK - FUEL, LARGE LINE.....						2	*	PAOZZ
			MOUNTED (ENGINE MOTIVE FLOW								
			CHECK VALVE) (92003) (MCDONNELL								
			SPEC 74-580149-109) (5VAP561 AND								
			5VAR562)								
	2760120-101	.	SEE ABOVE (MCDONNELL SPEC 74-580149-103)....						1	*	PAOZZ
	NAS674V8	.	BOLT (AP)						4		PAOZZ
	AN960JD416	.	WASHER (AP).....						4		PAOZZ
	MS29513-229	.	PACKING (USE WITH INDEX 74).....						1		PAOZZ
75	W901K32DE	.	COUPLING, CLAMP, GROOVED (79326).....						3	*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								
	14J12-32A	.	COUPLING, CLAMP, GROOVED (24984).....						3	*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								
76	MS29513-226	.	PACKING.....						20		PAOZZ
77	7M637BD-8D	.	NIPPLE (76301).....						2		PAOZZ
	MS29512-08	.	PACKING (USE WITH INDEX 77).....						2		PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 37)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
78	74A586488-1007	.	MANIFOLD, FLUID, AIRCRAFT - MOTIVE.....						1		PBOZZ
			FLOW BOOST, MAIN FUEL (76301) (LEFT								
			SIDE) (SUPERSEDES 74A586488-1001								
			74A586488-1009)								
79	7M637BD-6D	.	NIPPLE (76301).....						7		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 79).....						7		PAOZZ
80	74A586871-1011	.	TUBE ASSEMBLY, METAL - ELEC COND.....						1		MGOZZ
			VALVE, LOWER, LH (76301) (SUPERSEDES								
			74A586871-1003)								
81	74A586507-1011	.	TUBE ASSEMBLY, METAL - SHUTOFF.....						1	V	MGOZZ
			SOLENOID, TK 4 (76301) (SUPERSEDES								
			74A586507-1001 AND 74A586507-1003)								
82	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4).....						4	AG	PAOZZ
	NAS673V5	.	BOLT (AP).....						1		PAOZZ
	AN960JD10L	.	WASHER (AP).....						2		PAOZZ
	NAS1291C3M	.	NUT (AP).....						1		PAOZZ
	MS25281-R24	.	CLAMP (USE WITH INDEX 82).....						4	AG	PAOZZ
83	74A586692-1003	.	TUBE ASSEMBLY, METAL - REFUEL.....						1	AG	MGOZZ
			PRECHECK, LEVEL CONT, TK 4 (76301)								
84	7M637BD-4D	.	NIPPLE (76301).....						1	AG	PAOZZ
85	2760110-102	.	VALVE, FLOAT, AIRCRAFT - FUEL TRANSFER.....						1		PAOZZ
			(TANK 4) (NO. 4 FUEL TANK PILOT VALVE)								
			(92003) (MCDONNELL SPEC 74-580164-203)								
			(5VAP519)								
	2760110-101	.	VALVE, FLOAT, AIRCRAFT - FUEL TRANSFER.....						1	*	PAOZZ
			(TANK 4) (NO. 4 FUEL TANK PILOT VALVE)								
			(92003) (MCDONNELL SPEC 74-580164-203)								
			(5VAP519)								
	NAS674V3	.	BOLT (AP).....						3		PAOZZ
	AN960JD416L	.	WASHER (AP) (UNDER BOLT).....						3		PAOZZ
	AN960JD416	.	WASHER (BETWEEN VALVE FLANGE AND.....						3		PAOZZ
			SUPPORT BRACKET)								
86	517500-101	.	VALVE, SOLENOID SHUTOFF, TANK 4 (NO. 4.....						1	V	PAOZZ
			FUEL TANK TRANSFER CONTROL VALVE)								
			(81873) (MCDONNELL SPEC 74-5B0070-101)								
			(5L-R167) (FOR ASSEMBLY, SEE 74A770200,								
			A1-F18AC-WRM-000, WP702 00)								
	NAS673V3	.	BOLT (AP).....						2		PAOZZ
	AN960JD416L	.	WASHER (AP).....						2		PAOZZ
87	7M637BT-6D	.	NIPPLE (76301).....						1	V	PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 87).....						2		PAOZZ
	MS28773-06	.	RETAINER (USE WITH INDEX 87).....						1		PAOZZ
	AN6289D6	.	NUT (USE WITH INDEX 87).....						1		PAOZZ
88	7M637BD-6D	.	NIPPLE (76301).....						1	V	PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 88).....						1		PAOZZ
89	74A586487-1007	.	TUBE ASSEMBLY, METAL - MF TRANSFER.....						1		XBOZZ
			TANK 4 (76301) (SUPERSEDES								
			74A586487-1003)								
90	74A586856-1003	.	TUBE ASSEMBLY, METAL - FUEL LEVEL SNSR.....						1	U	MGOZZ
			TANK NO. 4 (76301)								
	74A586508-1003	.	TUBE ASSEMBLY, METAL - LEVEL SNSR TK4,.....						1	AE	MGOZZ
			SOLENOID TO PRECHECK (76301)								
	74A586508-1011	.	SEE ABOVE (SUPERSEDES 74A586508-1005).....						1	AJ	MGOZZ
91	7M637BD-6D	.	NIPPLE (76301).....						1		PAOZZ
92	ST7M263V6	.	ELBOW (76301).....						1		PAOZZ
	ST7M263DA6	.	ELBOW (76301).....						1	*	PAOZZ
	AN924-6D	.	NUT (USE WITH INDEX 92).....						1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 92).....						1		PAOZZ
93	74A586405-1007	.	ELBOW, FLANGE - FUEL TRANSFER PUMP.....						1		PAOZZ
			(76301)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 38)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	74A586405-1003	.	ELBOW, FLANGE - FUEL TRANSFER PUMP.						1	*	PAOZZ
			(76301)								
	74A586405-1001	.	SEE ABOVE						1	*	PAOZZ
	NAS674V4	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
	MS29513-222	.	PACKING (USE WITH INDEX 93)						1		PAOZZ
94	2770042-113	.	VALVE, SHUTOFF - FUEL TRANSFER (TANK 4).						1		PAOZZ
			(NO. 4 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580164-213) (5VAP565)								
	2770042-111	.	VALVE, SHUTOFF - FUEL TRANSFER (TANK 4).						1	*	PAOZZ
			(NO. 4 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580164-211) (5VAP565)								
	2770042-109	.	VALVE, SHUTOFF - FUEL TRANSFER (TANK 4).						1	*	PAOZZ
			(NO. 4 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580164-209) (5VAP565)								
	2770042-107	.	SEE ABOVE (MCDONNELL SPEC 74-580164-201).						1	*	PAOZZ
	NAS674V6	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						8		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
	MS29513-222	.	PACKING (USE WITH INDEX 94)						1		PAOZZ
95	74A586443-1001	.	SUPPORT, FUEL LEVEL, SENSOR - ENGINE.						1	U	XBOGG
			FUEL SYS (76301)								
	74A586392-1001	.	BRACKET ASSEMBLY - SOLENOID OPERATED						1	V	XBOOO
			PILOT VALVE, TANK 4 (FOR REPAIR SEE WP116 02 AND WP116 03) (SUPERSEDES 74A586305-1001)								
	MS21209F4-15L	.	INSERT (USE WITH INDEX 95)						3	V	PAOZZ
96	NAS673V1	.	BOLT (AP)						2		PAOZZ
	AN960JD10	.	WASHER (AP)						2		PAOZZ
97	MS29513-327	.	PACKING						7		PAOZZ
98	2760102-109	.	EJECTOR, JET - FUSELAGE FUEL TRANSFER						1		PAOOO
			(NO. 4 FUEL TANK TRANSFER JET EJECTOR) (92003) (MCDONNELL SPEC 74-5B0112-123) (5BAP567) (REPLACES 2760102-103) (FOR REPAIR OF 2760102-109 AND 2760102-107 SEE WP117 00)								
	2760102-107	.	SEE ABOVE						1	*	PAOOO
	2760102-103	.	SEE ABOVE (MCDONNELL SPEC 74-580112-117).						1	Z	PAOZZ
			(USE UNTIL EXHAUSTED)								
99	18-1200	.	VALVE, FLOW CONTROL (NO. 4 FUEL TANK.						1	AC	PAOZZ
			TRANSFER PRECHECK VALVE) (96736) (MCDONNELL SPEC 74B580184-103)								
	2770221-103	.	VALVE, FLOW CONTROL (NO. 4 FUEL TANK.						1	AG*	PAOZZ
			TRANSFER PRECHECK VALVE) (92003) (MCDONNELL SPEC 74-580184-103) (5VAP589)								
	2770221-101	.	VALVE, FLOW CONTROL (NO. 4 FUEL TANK.						1	H	PAOZZ
			TRANSFER PRECHECK VALVE) (92003) (MCDONNELL SPEC 74-580164-101) (5VAP589)								
100	7M637BT-6D	.	NIPPLE (76301)						1	U	PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 100).						1		PAOZZ
101	74AS86650-2001	.	SPACER, TRANSFER PUMP MOUNTING (76301).						4	AS	PAOZZ
102	AN960JD416 +	.	WASHER (UNDER JET EJECTOR BASE						8		PAOZZ
103	NAS674V11	.	BOLT						4		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 103 UNDER BOLT)						4		PAOZZ
104	NAS674V11	.	BOLT						2	AT	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 104).						2	AT	PAOZZ
105	74R585003-2003	.	SPACER, TRANSFER PUMP MOUNTING (76301).						2	AT	PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 39)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
106	74R585003-2001	.	SPACER, TRANSFER PUMP MOUNTING (76301).....						2	AT	PAOZZ
107	M25988/1-107	.	PACKING.....						2	AT	PAOZZ
108	NAS674V22	.	BOLT.....						2	AT	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 108).....						2	AT	PAOZZ
109	NAS674V11	.	BOLT.....						3	AR	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 109).....						3	AR	PAOZZ
110	74R585003-2003	.	SPACER, TRANSFER PUMP MOUNTING (76301).....						3	AR	PAOZZ
111	74R585003-2001	.	SPACER, TRANSFER PUMP MOUNTING (76301).....						1	AR	PAOZZ
112	M25988/1-107	.	PACKING.....						1	AR	PAOZZ
113	NAS674V22	.	BOLT.....						1	AR	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 113).....						1	AR	PAOZZ
114	74A586468-1011	.	VENT ASSEMBLY, FUEL TANK NO. 4 (NO. 4..... FUEL TANK DIVE VENT CHECK VALVE) (76301) (5VAP555) (REPLACES 74A586468-1009 AND 74A585004-2003)						1		PAOZZ
	74A586468-1009	.	SEE ABOVE (USE UNTIL EXHAUSTED).....						1	W	PAOZZ
	74A585004-2003	.	SEE ABOVE (USE UNTIL EXHAUSTED).....						1	W*	PAOZZ
	NAS1802-06-7	.	SCREW (USE WITH INDEX 114).....						2		PAOZZ
	AN960JD6L	.	WASHER (USE WITH INDEX 114).....						2		PAOZZ
	NAS1291C06M	.	NUT (USE WITH INDEX 114).....						2		PAOZZ
	NS103597-048	.	NUT, SELF-LOCKING, PLATE (80539)..... (MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 114)						1	*	PAOZZ
	F10965-1-4	.	NUT, SELF-LOCKING, PLATE (72962)..... (MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 114)						1	*	PAOZZ
	F29339-01-4	.	NUT, SELF-LOCKING, PLATE (15653)..... (MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 114)						1	*	PAOZZ
	MS20426AD3 #	.	RIVET (AP).....						2		-
115	74A586485-1001	.	MANIFOLD, FLUID, AIRCRAFT - FUEL..... DUMP, TANK NO. 4 (76301)						1		XBOZZ
116	NAS1715D40K	.	CLAMP.....						2	W	PAOZZ
117	74A586429-2115	.	SUPPORT (76301).....						1	W	XBOZZ
118	NAS673V3	.	BOLT.....						2	W	PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 118).....						4		PAOZZ
	NAS1291C3M	.	NUT (USE WITH INDEX 118).....						2		PAOZZ
119	W901K32DE	.	COUPLING, CLAMP, GROOVED (79326)..... (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)						8		PAOZZ
	14J12-32A	.	COUPLING, CLAMP, GROOVED (24984)..... (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)						8		PAOZZ
	W901F32DE	.	COUPLING, CLAMP, GROOVED (79326)..... (MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)						8	*	PAOZZ
120	74A586486-1003	.	TUBE ASSEMBLY, METAL - FUEL DUMP..... Y557.5 (76301) (SUPERSEDES 74A586486-1001)						1		XBOZZ
121	W901K48DE	.	COUPLING, CLAMP, GROOVED (79326)..... (MCDONNELL SPEC 7M765-48D) (INCLUDES SLEEVE)						1		PAOZZ
	14J12-48A	.	COUPLING, CLAMP, GROOVED (24984)..... (MCDONNELL SPEC 7M765-48D) (INCLUDES SLEEVE)						1		PAOZZ
	W901F48DE	.	COUPLING, CLAMP, GROOVED (79326)..... (MCDONNELL SPEC 7M550-48D) (INCLUDES SLEEVE)						1	*	PAOZZ
122	MS29513-234	.	PACKING.....						2		PAOZZ
123	74A586429-2073	.	BRACKET (76301).....						1	W	XBOZZ
	NAS674V2	.	BOLT (AP).....						3		PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 40)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	AN960JD416L	.	WASHER (AP).....						3		PAOZZ
124	NAS674V2	.	BOLT						4	W	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 124).....						4	W	PAOZZ
125	NAS1787A40G	.	CLAMP						2		PAOZZ
	NAS673V8	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP).....						2		PAOZZ
126	74A586482-1017 ‡	.	MANIFOLD, FLUID, AIRCRAFT - FUEL.....						1	AK	PAOZZ
			TRANSFER, TANK NO. 4 (76301)								
127	74A586691-1011	.	TUBE ASSEMBLY, METAL - GROOVED PRESS.						1	AK	MGOZZ
			CHECK TO LH WING (FUSELAGE								
			TRANSFER PRESSURE TRANSDUCER)								
			(76301) (SUPERSEDES 74A586691-1005)								
	74A586691-1003	.	SEE ABOVE						1	AL	MGOZZ
128	MS25281-R6	.	CLAMP (SUPERSEDES MS25281-6).....						1		PAOZZ
129	MS25281-R20	.	CLAMP						3		PAOZZ
130	NAS673V4	.	BOLT						2		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 130).....						2		PAOZZ
	NAS1291C3M	.	NUT (USE WITH INDEX 130).....						2		PAOZZ
131	NAS1787A32G	.	CLAMP						3		PAOZZ
	NAS673V9	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP).....						2		PAOZZ
132	74A586433-1009	.	TUBE ASSEMBLY, METAL - ENG FEED RH,						1	Z	PAOZZ
			TANK NO. 4 (76301) (SUPERSEDES								
			74A586433-1005)								
	74A587121-1003	.	TUBE ASSEMBLY, METAL - FUEL SUPPLY, RH						1	N	XBOZZ
			ENGINE, TANK 4 (76301)								
133	AN735D40	.	CLAMP						2	P	PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP).....						2		PAOZZ
	NAS1291C3M	.	NUT (AP).....						1		PAOZZ
134	2760100-103	.	TUBE ASSEMBLY (92003) (MCDONNELL						1	Z	PBOZZ
			SPEC 74-580112-203)								
135	W702-32D	.	NUT ASSEMBLY, TUBE COUPLING (79326).....						1	Z*	PAOZZ
			(MCDONNELL SPEC ST7M191-32D)								
			(INCLUDES NUT AND 2 WASHERS)								
	12H72-32A	.	SEE ABOVE (24984).....						1	Z*	PAOZZ
136	MS29513-330	.	PACKING.....						1	Z	PAOZZ
137	74A586482-1019 ‡	.	TUBE (76301) (TO RETAINER).....						1	AN	PAOZZ
	74R585001-1001 ‡	.	TUBE (76301) (TO ADAPTER)						1	AM	PAOZZ
138	W901K32DE ‡	.	COUPLING, CLAMP, GROOVED (79326).....						2	AK*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								
	14J12-32A ‡	.	SEE ABOVE (24984).....						2	AK*	PAOZZ
139	MS29513-226 ‡	.	PACKING.....						6	AK	PAOZZ
140	NAS1787A40G ‡	.	CLAMP						1	AK	PAOZZ
	NAS673V4	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP).....						2		PAOZZ
141	NAS1716C40K ‡	.	CLAMP						2	AK	PAOZZ
	NAS673V3	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP).....						2		PAOZZ
142	74A586482-1009 ‡	.	TUBE (AFT TUBE) (76301)						1	AK	PAOZZ
143	74A586482-1009 ‡	.	TUBE (FWD TUBE) (76301).....						1	AN	PAOZZ
	74R585002-1001 ‡	.	TUBE (FHD TUBE) (76301).....						1	AM	PAOZZ
144	W700-32D-03 ‡	.	COUPLING-NUT (79326) (MCDONNELL						1	AK*	PAOZZ
			SPEC ST7M170-32D)								
	12N70-32A	.	SEE ABOVE						1	AK*	PAOZZ
145	74A586482-1009 φ	.	MANIFOLD, FLUID, AIRCRAFT - FUEL.....						1	AL	PAOZZ
			TRANSFER, TANK NO. 4 (FWD TUBE)								
			(76301) (REPLACES 74A586482-1005								
			OR 74A586482-1003)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 41)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
146	NAS1787A32G ϕ	.	CLAMP	.....					1	AL	PAOZZ
	NAS673V9	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
147	74A586482-1007 ϕ	.	MANIFOLD, FLUID, AIRCRAFT - FUEL	.....					1	AL	PAOZZ
			TRANSFER, TANK NO. 4 (76301)								
			(REPLACES 74A586482-1005								
			OR 74A586482-1003)								
148	W901K32DE ϕ	.	COUPLING, CLAMP, GROOVED (79326)	.....					3	AL*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								
	14J12-32A ϕ	.	SEE ABOVE (24984)	.....					3	AL*	PAOZZ
149	MS29513-226 ϕ	.	PACKING	.....					4	AL	PAOZZ
150	74A586482-1011 ϕ	.	MANIFOLD, FLUID, AIRCRAFT - FUEL	.....					1	AL	PAOZZ
			TRANSFER, TANK NO. 4 (AFT TUBE ASSY)								
			(76301) (REPLACES 74A586482-1005 OR								
			74A586482-1003)								
	74A586482-1013	.	MANIFOLD, FLUID AIRCRAFT - FUEL	.....					1	AL*	PAOZZ
			TRANSFER, TANK NO. 4 (AFT TUBE ASSY)								
			(76301) (REPLACES 74A586482-1005 OR								
			74A586482-1003)								
151	NAS673V2 ϕ	.	BOLT	.....					2	AL	PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 151)	.....					2		PAOZZ
152	W901K32DE ϕ	.	COUPLING, CLAMP, GROOVED (79326)	.....					1	AL*	PAOZZ
			(MCDONNELL SPEC 7M765-32D)								
			(INCLUDES SLEEVE)								
	14J12-32A ϕ	.	SEE ABOVE (24984)	.....					1	AL*	PAOZZ
153	MS29513-226 ϕ	.	PACKING	.....					2	AL	PAOZZ
154	NAS1787A32G ϕ	.	CLAMP	.....					1	AL	PAOZZ
	NAS673V9	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
155	74A586482-1005 ϕ	.	MANIFOLD, FLUID, AIRCRAFT - FUEL	.....					1	AL	XBOZZ
			TRANSFER, TANK NO. 4 (76301)								
			(REPLACES 74A586482-1003) (REPLACED								
			BY 74A586482-1007 OR 74A586482-1009								
			AND 74A586482-1011)								
156	NAS673V2 ϕ	.	BOLT	.....					2	AL	PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 156)	.....					2		PAOZZ
157	74A586493-1003	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW	.....					1		XBOOO
			BOOST, FUEL TRANSFER (76301)								
	MS21209F4-15	.	INSERT (USE WITH INDEX 157)	.....					2		PAOZZ
158	NAS1787A24G	.	CLAMP	.....					6		PAOZZ
	NAS673V9	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
159	74A586431-1007	.	TUBE ASSEMBLY, METAL - APU, TANK NO. 4	.....					1		PAOZZ
			(76301) (REPLACES 74A586431-1005)								
	74A586431-1005	.	TUBE ASSEMBLY, METAL - APU, TANK NO. 4	.....					1	A	PBOZZ
			(76301) (USE UNTIL EXHAUSTED)								
160	W901K8DE	.	COUPLING, CLAMP, GROOVED (79326)	.....					3		PAOZZ
			(MCDONNELL SPEC 7N765-8D)								
			(INCLUDES SLEEVE)								
	14J12-8A	.	COUPLING, CLAMP, GROOVED (24984)	.....					3		PAOZZ
			(MCDONNELL SPEC 7M765-8D)								
			(INCLUDES SLEEVE)								
	W901F8DE	.	COUPLING, CLAMP, GROOVED (79326)	.....					3	*	PAOZZ
			(MCDONNELL SPEC 7M550-8D)								
			(INCLUDES SLEEVE)								
161	MS29513-015	.	PACKING	.....					6		PAOZZ
162	74A586471-1005	.	TUBE ASSEMBLY, METAL - FWD, FUEL FEED	.....					1		PAOZZ
			LH ENG, TANK NO. 4 (76301) (REPLACES								
			74A586471-1003)								
	74A586471-1003	.	TUBE ASSEMBLY, METAL - FWD FUEL FEED	.....					1	A	PAOZZ
			LH ENG, TANK NO. 4 (76301) (USE UNTIL								
			EXHAUSTED)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 42)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
163	W901K16DE	.	COUPLING, CLAMP, GROOVED (79326)						3		PAOZZ
			(MCDONNELL SPEC 7M765-16D)								
			(INCLUDES SLEEVE)								
	14J12-16A	.	COUPLING, CLAMP, GROOVED (24984)						3		PAOZZ
			(MCDONNELL SPEC 7M765-16D)								
			(INCLUDES SLEEVE)								
	W901F16DE	.	COUPLING, CLAMP, GROOVED (79326)						3	*	PAOZZ
			(MCDONNELL SPEC 7M550-16D)								
			(INCLUDES SLEEVE)								
164	NAS673V2	.	BOLT						2		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 164)						2		PAOZZ
165	2760104-101	.	EJECTOR, JET - VENT TANK SCAVENGE						2		PAOZZ
			(NO. 4 FUEL TANK VENT SCAVENGE JET								
			EJECTOR) (92003) (MCDONNELL SPEC								
			74-580112-109) (5BAP559 AND 5BAR560)								
	NAS674V4	.	BOLT (AP)						4		PAOZZ
	AN960JD416	.	WASHER (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
166	NAS674V6	.	BOLT						8		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 166)						8		PAOZZ
167	74A586244-2007	.	WASHER (76301)						9		PAOZZ
168	74A586406-1003	.	BRACKET, FUEL LINE MAIN MOTIVE FLOW.						1		XBOGG
			(76301)								
169	74A586872-1007	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW,						1		AGOGG
			VENT TK SCAV PUMP, RH (76301)								
			(SUPERSEDES 74A586872-1001 OR								
			74A586872-1005)								
170	74A586851-1007	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW,						1		AGOGG
			VENT TK SCAV PUMP, LH (76301)								
			(SUPERSEDES 74A586851-1001 OR								
			74A586851-1005)								
171	74A586430-1005	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW,						1		XBOZZ
			VENT TK SCAV PUMP, LH (76301)								
			(SUPERSEDES 74A586430-1003 OR								
			74A586430-1001)								
172	74A586453-2001	.	SPACER - SUPPORT, FUEL LINES MAIN						2		MGOZZ
			MOTIVE FLOW (76301) (LEFT SIDE ONLY)								
173	74A586429-1033	.	SUPPORT ASSEMBLY (76301) (SEE WP125 00.						1		XBOOO
			FOR REPAIR)								
174	74A586429-1031	.	SUPPORT ASSEMBLY (76301)						1		XBOOO
175	74A586472-1013	.	TUBE ASSEMBLY, METAL - LH ENGINE FUEL.						1		XBOZZ
			FEED, TANK NO. 4 (76301) (SUPERSEDES								
			74A586472-1009 & 74A586472-1011)								
176	NAS674V1	.	BOLT						4		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 176)						4		PAOZZ
177	NAS673V2	.	BOLT						8		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 177)						8		PAOZZ
178	74A586432-2001	.	MOUNT - VALVE, FUEL SHUTOFF, MAIN						2		PAOZZ
			ENGINE (76301) (TO VALVE)								
179	MS29513-337	.	PACKING						12		PAOZZ
180	125639-221	.	VALVE SUBASSEMBLY (ENGINE FUEL						2		PAOZZ
			SHUTOFF VALVE) (73760) (MCDONNELL								
			SPEC 74-580141-221) (REPLACES 125639)								
	125639	.	VALVE SUBASSEMBLY (ENGINE FUEL						2	AD	PAOZZ
			SHUTOFF VALVE) (73760) (MCDONNELL								
			SPEC 74-580141-211) (USE UNTIL								
			EXHAUSTED)								
181	74A586473-1007	.	TUBE ASSEMBLY, METAL - RH ENGINE FUEL						1		XBOZZ
			FEED TANK NO. 4 (76301) (SUPERSEDES								
			74A586473-1005)								
182	74A586475-1007	.	TUBE ASSEMBLY, METAL - REFUEL, TANK 4,						1		XBOZZ
			2.00 DIA (76301) (SUPERSEDES								
			74A586475-1003)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 43)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
183	MS25281-R16	.	CLAMP (SUPERSEDES MS25281-16).	.....					3		PAOZZ
184	MS25281-R32	.	CLAMP (SUPERSEDES MS25281-32).	.....					1		PAOZZ
185	NAS673V4	.	BOLT	.....					5		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 185).	.....					5		PAOZZ
	NAS1291C3M	.	NUT (USE WITH INDEX 185).	.....					5		PAOZZ
186	7M637BW-6D ±	.	ELBOW (76301)	.....					1		PAOZZ
	7M148V6 @	.	ELBOW (76301)	.....					1		PAOZZ
187	AN924-6D ±	.	NUT	.....					1		PAOZZ
	7M637BD-6D @	.	NIPPLE (76301).	.....					1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 187).	.....					1		PAOZZ
188	2760113-113	.	VALVE, CHECK - REFUEL/LEVEL (NO. 4 FUEL	.....					1		PAOZZ
			TANK LEVEL CONTROL SHUTOFF VALVE)								
			(92003) (MCDONNELL SPEC 74-580108-223)								
			(5VAP569)								
	2760113-111	.	VALVE, CHECK - REFUEL/LEVEL (NO. 4 FUEL	.....					1	*	PAOZZ
			TANK FUEL LEVEL CONTROL SHUTOFF								
			VALVE) (92003) (MCDONNELL SPEC								
			74-580108-217) (5VAP569)								
	2760113-109	.	VALVE, CHECK - REFUEL/LEVEL (NO. 4 FUEL	.....					1	*	PAOZZ
			TANK FUEL LEVEL CONTROL SHUTOFF								
			VALVE) (92003) (MCDONNELL SPEC								
			74-580108-215) (5VAP569)								
	2760113-107	.	SEE ABOVE (MCDONNELL SPEC 74-580108-201).	....					1	*	PAOZZ
189	0130010700-4	.	VALVE, CHECK - REFUEL/SCAVENGE.	.....					1		PAOZZ
			CONTROL (NO. 4 FUEL TANK AUTOMATIC								
			DRAIN VALVE) (83533) (MCDONNELL SPEC								
			74-580059-107) (5VAP568)								
	0130010700-2	.	VALVE, CHECK - REFUEL/SCAVENGE.	.....					1	*	PAOZZ
			CONTROL (NO. 4 FUEL TANK AUTOMATIC								
			DRAIN VALVE) (83533) (MCDONNELL SPEC								
			74-580059-103) (5VAP568)								
	MS29512-06	.	PACKING (USE WITH INDEX 189).	.....					1		PAOZZ
190	NAS673V4	.	BOLT	.....					2		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 190).	.....					2		PAOZZ
191	74A587318-1001 §	.	MANIFOLD ASSEMBLY, FLUID, AIRCRAFT.	.....					1		PAOZZ
			REFUEL TANK NO. 4 (76301)								
	74A586474-1013 §	.	MANIFOLD, FLUID, AIRCRAFT - REFUEL,	.....					1	*	PAOZZ
			TANK NO. 4 (76301) (SUPERSEDES								
			74A586474-1005)								
	NAS1787A24G	.	CLAMP (PART OF 74A587318-1001)	.....					1		-
	NAS673V11	.	BOLT (PART OF 74A587318-1001)	.....					-		-
	AN960JD10L	.	WASHER (PART OF 74A587318-1001)	.....					2		-
	MS21062L3	.	NUT, PLATE (PART OF 74A587318-1001)	.....					2		-
	MS20426AD3 #	.	RIVET (PART OF 74A587318-1001)	.....					4		-
192	2760121-105	.	VALVE, CHECK - FUEL, LARGE LINE	.....					1		PAOZZ
			MOUNTED (NO. 4 FUEL TANK REFUEL/								
			TRANSFER CHECK VALVE) (92003)								
			(MCDONNELL SPEC 74-580149-113)								
			(5VAP532)								
	2760121-103	.	VALVE - CHECK - FUEL, LARGE LINE.	.....					1	*	PAOZZ
			MOUNTED (NO. 4 FUEL TANK REFUEL/								
			TRANSFER CHECK VALVE) (92003)								
			(MCDONNELL SPEC 74-580149-111)								
			(5VAP557)								
	2760121-101	.	VALVE - CHECK - FUEL, LARGE LINE.	.....					1	*	PAOZZ
			MOUNTED (NO. 4 FUEL TANK REFUEL/								
			TRANSFER CHECK VALVE) (92003)								
			(MCDONNELL SPEC 74-580149-105)								
			(5VAP557)								
	NAS674V4	.	BOLT (AP)	.....					8		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					8		PAOZZ
	MS29513-229	.	PACKING (INLET) (USE WITH INDEX 192).	.....					1		PAOZZ
	MS29513-224	.	PACKING (OUTLET) (USE WITH INDEX 192).	.....					1		PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 44)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
193	W901K20DE	.	COUPLING, CLAMP, GROOVED (79326)						4		PAOZZ
			(MCDONNELL SPEC 7M765-20D)								
			(INCLUDES SLEEVE)								
	14J12-20A	.	COUPLING, CLAMP, GROOVED (24984)						4		PAOZZ
			(MCDONNELL SPEC 7M765-20D)								
			(INCLUDES SLEEVE)								
	W901F20DE	.	COUPLING, CLAMP, GROOVED (79326)						4	*	PAOZZ
			(MCDONNELL SPEC 7M550-20D)								
			(INCLUDES SLEEVE)								
194	W901K20DE §	.	COUPLING, CLAMP, GROOVED (79326)						1		PAOZZ
			(MCDONNELL SPEC 7M765-20D)								
			(INCLUDES SLEEVE)								
	14J12-20A §	.	SEE ABOVE (24984)						1		PAOZZ
	W901P20DE §	.	SEE ABOVE (76326) (MCDONNELL SPEC						2	*	PAOZZ
			7M550-20D)								
	W901C20DE §	.	SEE ABOVE						2	*	PAOZZ
195	MS29513-218 §	.	PACKING						2		PAOZZ
196	74A586888-1001 §	.	MANIFOLD, FLUID AIRCRAFT - REFUEL						1		PAOZZ
			TANK NO. 4, X-9.08 (76301) (5RAP660)								
197	74A586474-1009 §§	.	MANIFOLD, FLUID, AIRCRAFT - REFUEL,						1	AC	XBOZZ
			TANK NO. 4 (76301) (SUPERSEDES								
			74A586474-1005) (5RAP660)								
198	NAS1787A24G	.	CLAMP						1		PAOZZ
	NAS673V8	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
199	74A586489-1001	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW						1		XBOOO
			BOOST, MAIN FUEL, LH (76301)								
	MS21209F4-15	.	INSERT (USE WITH INDEX 199)						2		PAOZZ
200	74A586491-1001	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW						1		XBOOO
			BOOST, MAIN FUEL, RH (76301)								
	MS21209F4-15	.	INSERT (USE WITH INDEX 200)						2		PAOZZ
201	74A586693-1003	.	TUBE ASSEMBLY, METAL - SYSTEMS CHECK,						1	AG	MGOZZ
			BHD Y453 TO Y497 (76301)								
202	74A586869-1007	.	TUBE ASSEMBLY, METAL - ELECT CONDUIT,						1		MGOZZ
			SOLENOID VALVE RH (76301)								
			(SUPERSEDES 74A586869-1001)								
203	MS25281-R6	.	CLAMP (SUPERSEDES MS25281-6)						8		PAOZZ
204	74A586870-1007	.	TUBE ASSEMBLY, METAL - ELECT CONDUIT,						1		MGOZZ
			SOLENOID VALVE (76301) (SUPERSEDES								
			74A586870-1001)								
205	74A586868-1009	.	TUBE ASSEMBLY, METAL - ELECT CONDUIT,						1	AK	MGOZZ
			SOLENOID VALVE LH (76301)								
			(SUPERSEDES 74A586868-1003)								
	74A586868-1001	.	SEE ABOVE						1	AL	MGOZZ
206	74A586861-1005	.	TUBE ASSEMBLY, METAL - HOT FUEL TO SCAV.						1		XBOZZ
			LINE, RH (76301) (SUPERSEDES								
			74A586861-1003 OR 74A586861-1001)								
207	74A586495-1003	.	MANIFOLD, FLUID, AIRCRAFT - VENT TK						1		XBOZZ
			SCAV RH, FWD TK NO. 4 (76301)								
208	NAS673V1	.	BOLT						4		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 208)						4		PAOZZ
209	ST9M620A16G	.	CLAMP, LOOP (03296) (MCDONNELL SPEC						1		PAOZZ
			ST9M620A16G) (STRAP AND BASE)								
	NAS673V8	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
210	74A586497-1007	.	TUBE ASSEMBLY, METAL - HOT FUEL TO SCAV.						1	Q	XBOZZ
			LINE LH (76301) (SUPERSEDES								
			74A586497-1001 OR 74A586497-1005)								
211	MS25281-R32	.	CLAMP (SUPERSEDES MS25281-32)						1		PAOZZ
212	NMC-ST9M529-6	.	CLAMP (03296) (MCDONNELL SPEC ST9M529-6)						1		PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 45)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	NAS1291C3M	.	NUT (AP)						1		PAOZZ
213	74A586494-1009	.	TUBE ASSEMBLY, METAL - VENT TANK						1		XBOZZ
			SCAVENGE, FUEL SYSTEM (76301)								
			(SUPERSEDES 74A586494-1005)								
214	NAS673V9	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
215	MS25281-R16	.	CLAMP (SUPERSEDES MS25281-16)						2		PAOZZ
	MS25281-R6	.	CLAMP (USE WITH INDEX 215)						2		PAOZZ
	NAS673V4	.	BOLT (AP)						1		PAOZZ
	AN960JD10L	.	WASHER (AP)						1		PAOZZ
	NAS1291C3M	.	NUT (AP)						1		PAOZZ
216	74A586442-1001	.	SUPPORT ASSY, VALVE - SHUTTLE, FUEL						1		XBOGG
			TANK NO. 4 (76301) (RIGHT SIDE) (SEE								
			WP146 00 FOR REPAIR)								
	NAS674V1	.	BOLT (AP)						6		PAOZZ
	AN960JD416L	.	WASHER (AP)						6		PAOZZ
	74A586442-1001	.	SUPPORT ASSY, VALVE - SHUTTLE, FUEL						1	AL	XBOGG
			TANK NO. 4 (76301) (LEFT SIDE) (SEE								
			WP146 00 FOR REPAIR)								
	NAS674V1	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
217	MS29513-333	.	PACKING						14		PAOZZ
218	NAS674V2	.	BOLT						2		PAOZZ
219	31900-107	.	VALVE, SOLENOID, DIRECTIONAL CONTROL						2		PAOZZ
			FUEL (FUEL DIVERTER VALVE) (04192)								
			(MCDONNELL SPEC 74-580166-107)								
			(5L-P119 AND 5L-R118)								
	31900-105	.	VALVE, SOLENOID, DIRECTIONAL CONTROL						2	*	PAOZZ
			FUEL (FUEL DIVERTER VALVE) (04192)								
			(MCDONNELL SPEC 74-580166-105)								
			(5L-P119 AND 5L-R118)								
	NAS674V2	.	BOLT (AP)						3		PAOZZ
	AN960JD416L	.	WASHER (AP)						3		PAOZZ
220	NAS674V1	.	BOLT (AP)						4	AR	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 220)						4		PAOZZ
221	74A586862-1011	.	TUBE ASSEMBLY, METAL - HOT FUEL, WING.						1		XBOZZ
			LH (76301) (SUPERSEDES 74A586862-1005,								
			74A586862-1003 OR 74A586862-1001)								
222	MS25281-R12	.	CLAMP						2		PAOZZ
	NAS673V2	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
223	74A586244-2005	.	WASHER (76301)						2		PAOZZ
224	NAS674V3	.	BOLT						1	AR	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 224)						1		PAOZZ
225	74A586884-1001 ‡	.	SUPPORT ASSY - FUEL LINES TANK NO. 4						1	AK	XBOOO
			(76301) (SEE WP146 00 FOR REPAIR)								
226	74A586878-1005	.	SUPPORT ASSY (76301)						1	AR	XBOGG
	NAS673V5	.	BOLT (AP)						4		PAOZZ
	AN960JD10L	.	WASHER (AP)						4		PAOZZ
227	74A586878-1003	.	SUPPORT ASSY - FUEL LINES, TANK NO. 4.						1		XBOGG
			(76301) (SEE WP146 00 FOR REPAIR)								
	NAS674V4	.	BOLT (AP)						2		PAOZZ
228	74A586483-1001	.	BRACKET - ATTACH, SUPPORT, FUEL LINE.						1		XBOGG
			CLAMPS, LOWER, RH (76301)								
	NAS673V1	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
229	74A586863-1013	.	TUBE ASSEMBLY, METAL - HOT FUEL, WING.						1		XBOZZ
			RH (76301) (SUPERSEDES 74A586863-1007,								
			74A586863-1005, 74A586863-1003 OR								
			74A586863-1001)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 46)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
230	NAS674V1	.	BOLT	.....					7		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 230)	.....					7		PAOZZ
231	74A586878-1001 ϕ ϕ	.	SUPPORT ASSY - FUEL LINES, TANK NO. 4	.....					1		XBOGG
		.	(76301) (SEE WP146 00 FOR REPAIR)	.....						
	NAS674V1	.	BOLT (AP)	.....					2		PAOZZ
232	74A586875-1003	.	TUBE ASSEMBLY, METAL - PRECHECK LINE,	.....					1		MGOZZ
		.	RH WING (76301) (SUPERSEDES 74A586875-1001)	.....						
233	MS25281-R16	.	CLAMP (SUPERSEDES MS25281-16)	.....					1		PAOZZ
	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4) (USE WITH INDEX 233)	.....					1		PAOZZ
	NAS673V4	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					1		PAOZZ
	NAS1291C3M	.	NUT (AP)	.....					1		PAOZZ
234	74A586874-1003	.	TUBE ASSEMBLY, METAL - PRECHECK, LH	.....					1		MGOZZ
		.	WING (76301) (SUPERSEDES 74A586874-1001)	.....						
235	MS25281-R24	.	CLAMP (SUPERSEDES MS25281-24)	.....					1		PAOZZ
236	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4)	.....					2		PAOZZ
237	74A586858-1005	.	TUBE ASSEMBLY, METAL - REFUEL SHUTOFF, LEVEL CONT, TK 4 (76301)	.....					1	K	MGOZZ
	74A586832-1003	.	TUBE ASSEMBLY, METAL - REFUEL SHUTOFF, LEVEL CONTROL, TK 4 (76301) (SUPERSEDES 74A586832-1001)	.....					1	L	MGOZZ
238	74A586854-1005	.	TUBE ASSEMBLY, METAL - REFUEL PRECHECK, LEVEL CONT, TK 4 (76301)	.....					1	K	MGOZZ
	74A586854-1009	.	TUBE ASSEMBLY, METAL - REFUEL PRECHECK, LEVEL CONT, TK 4 (76301) (SUPERSEDES 74A586854-1007)	.....					1	L	MGOZZ
239	MS25281-R12	.	CLAMP (SUPERSEDES MS25281-12)	.....					1		PAOZZ
	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4) (USE WITH INDEX 239)	.....					1		PAOZZ
	NAS673V4	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					1		PAOZZ
	NAS1291C3M	.	NUT (AP)	.....					1		PAOZZ
240	MS25281-R16	.	CLAMP (SUPERSEDES MS25281-16)	.....					1		PAOZZ
	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4) (USE WITH INDEX 240)	.....					1		PAOZZ
	NAS673V4	.	BOLT (AP)	.....					1		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					1		PAOZZ
	NAS1291C3M	.	NUT (AP)	.....					1		PAOZZ
241	7M637DA-6D	.	REDUCER (76301)	.....					1		PAOZZ
242	MS29512-06	.	PACKING	.....					2		PAOZZ
243	7M637BD-4D	.	NIPPLE (76301)	.....					2		PAOZZ
244	MS29512-04	.	PACKING	.....					3		PAOZZ
245	AN814-6D	.	PLUG	.....					1		PAOZZ
246	7M637BY-4D	.	ELBOW (76301)	.....					1		PAOZZ
247	AN924-4D	.	NUT	.....					1		PAOZZ
248	AN814-6D	.	PLUG	.....					1	AJ	PAOZZ
249	74A586477-1005	.	TUBE ASSEMBLY, METAL - REFUEL, RH WING (76301) (SUPERSEDES 74A586477-1003)	.....					1		XBOZZ
250	W702-24D	.	NUT ASSEMBLY, TUBE COUPLING (79326) (MCDONNELL SPEC ST7M191-24D) (INCLUDES NUT AND 2 WASHERS)	.....					2	*	PAOZZ
	12H72-24A	.	SEE ABOVE (24984)	.....					2	*	PAOZZ
251	MS29513-326	.	PACKING	.....					2		PAOZZ
252	74A585004-2005	.	HOUSING ASSEMBLY (WING FUEL GRAVITY CHECK VALVE) (76301) (5VAP587 AND 5VAR588)	.....					2		PAOZZ
	NAS1802-06-7	.	SCREW (USE WITH INDEX 252)	.....					2		PAOZZ
	AN960JD6L	.	WASHER (USE WITH INDEX 252)	.....					4		PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 47)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
253	NAS1291C06M	.	NUT (USE WITH INDEX 252)						2		PAOZZ
	74A586429-2125	.	SHIELD (76301)						1		XAOZZ
	NAS1802-06-7	.	SCREW (AP)						2		PAOZZ
	AN960JD6L	.	WASHER (AP)						4		PAOZZ
	NAS1291C06M	.	NUT (AP)						2		PAOZZ
254	74A586466-1005	.	TUBE ASSEMBLY, METAL - MAIN VENT, Y472						1		PAOZZ
			TO Y486 (76301) (RIGHT SIDE) (REPLACES 74A586466-1001 AND 74A586466-1003)								
	74A586466-1003	.	TUBE ASSEMBLY, METAL - MAIN VENT, Y472						1	G	PAOZZ
			TO Y486 (76301) (RIGHT SIDE) (USE UNTIL EXHAUSTED)								
	74A586466-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED)						1	A	PAOZZ
255	74A586466-1005	.	TUBE ASSEMBLY, METAL - MAIN VENT, Y472						1		PAOZZ
			TO Y486 (76301) (LEFT SIDE) (REPLACES 74A586466-1001 AND 74A586466-1003)								
	74A586466-1003	.	TUBE ASSEMBLY, METAL - MAIN VENT, Y472						1	G	PAOZZ
			TO Y486 (76301) (LEFT SIDE) (USE UNTIL EXHAUSTED)								
	74A586466-1001	.	SEE ABOVE (USE UNTIL EXHAUSTED)						1	A	PAOZZ
256	74A586476-1009	.	TUBE ASSEMBLY, METAL, LH WING (76301)						1		XBOZZ
			(SUPERSEDES 74A586476-1001, 74A586476-1005 AND 74A586476-1007)								
	NAS1787A24G	.	CLAMP						2		PAOZZ
	NAS673V11	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT)						2		PAOZZ
258	AN960JD10	.	WASHER (AP) (UNDER CLAMP)						6		PAOZZ
	4M314-24 †	.	SHIM, LAMINATED (76301) (UNDER CLAMP)						1		PAOZZ
	AN960JD10 †	.	WASHER (UNDER CLAMP)						6	*	PAOZZ
	MS25281-R4	.	CLAMP (SUPERSEDES MS25281-4)						1		PAOZZ
	W901K24DE	.	COUPLING, CLAMP, GROOVED (79326)						3		PAOZZ
			(MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)								
	14J12-24A	.	COUPLING, CLAMP, GROOVED (24984)						3		PAOZZ
			(MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)								
	W901F24DE	.	COUPLING, CLAMP, GROOVED (79326)						3	*	PAOZZ
			(MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)								
261	4M314-24 †	.	SHIM, LAMINATED (UNDER CLAMP) (76301)						1		PAOZZ
	AN960JD10 †	.	WASHER (UNDER CLAMP)						6	*	PAOZZ
	74A586480-1005	.	TUBE ASSEMBLY, METAL - WING FUEL						1		XBOZZ
			TRANSFER LH (76301) (SUPERSEDES 74A586480-1003)								
	74A586470-1007	.	TUBE ASSEMBLY, METAL - VENT, LH WING						1		PAOZZ
263			(76301)								
	74A586470-1003	.	SEE ABOVE						1	*	PAOZZ
	74A586690-1003	.	TUBE ASSEMBLY, METAL - GROUND PRESS						1		MGOZZ
			CHK TO RH WING (76301) (SUPERSEDES 74A586690-1001)								
	NAS673V2	.	BOLT						1		PAOZZ
265	AN960JD10	.	WASHER (USE WITH INDEX 265)						1		PAOZZ
	74A586469-1009	.	TUBE ASSEMBLY, METAL - VENT FUEL SYS,						1		PAOZZ
			RH WING (76301)								
	74A586469-1007	.	SEE ABOVE (REPLACES 74A586469-1003)						1	*	PAOZZ
	74A586469-1005	.	SEE ABOVE (REPLACES 74A586469-1003)						1	*	PAOZZ
266	74A586469-1003	.	TUBE ASSEMBLY, METAL - VENT, FUEL SYS,						1	A	PAOZZ
			RH WING (76301) (USE UNTIL EXHAUSTED)								
	74A586391-1003	.	BRACKET ASSY, AIRCRAFT - FUEL TRANSFER						1	Y	XBOOO
			TO WING, RH (76301) (SUPERSEDES 74A586391-1001)								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 48)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
268	74A586481-1013	.	MANIFOLD, FLUID, AIRCRAFT - FUEL.....						1	Y	XBOZZ
			TRANSFER TO WING, RH (76301)								
			(SUPERSEDES 74A586481-1011)								
269	NAS673V7	.	BOLT (AP)						2	Y	PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	NAS43DD3-20	.	SPACER (BETWEEN SUPPORTING BRACKETS).....						2		PAOZZ
270	W901K20DE	.	COUPLING, CLAMP, GROOVED (79326)						1	Y	PAOZZ
			(MCDONNELL SPEC 7M765-20D)								
			(INCLUDES SLEEVE)								
	14J12-20A	.	COUPLING, CLAMP, GROOVED (24984)						1	Y	PAOZZ
			(MCDONNELL SPEC 7M765-20D)								
			(INCLUDES SLEEVE)								
	W901F20DE	.	COUPLING, CLAMP, GROOVED (79326)						1	Y*	PAOZZ
			(MCDONNELL SPEC 7M550-20D)								
			(INCLUDES SLEEVE)								
271	MS29513-218	.	PACKING						2	Y	PAOZZ
272	NAS1787A20G	.	CLAMP						1	Y	PAOZZ
	NAS673V11	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT)						2		PAOZZ
	AN960JD10	.	WASHER (AP) (UNDER CLAMP)						2		PAOZZ
	F50403-3-4	.	NUT, PLATE (15653) (MCDONNELL SPEC						2	*	PAOZZ
			ST3M721C3M4) (USE WITH INDEX 272)								
	F12092-4-3	.	SEE ABOVE (72962)						2	*	PAOZZ
	NS202183-3-4	.	SEE ABOVE (80539)						2	*	PAOZZ
	M920426AD3 #	.	RIVET (AP)						2		-
273	NAS1787A20G	.	CLAMP						1	Y	PAOZZ
	NAS673V11	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT)						2		PAOZZ
	AN960JD10	.	WASHER (AP) (UNDER CLAMP)						2		PAOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 273)						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
274	NAS673V11	.	BOLT						4	Y	PAOZZ
	AN960JD10L	.	WASHER (UNDER BOLT) (USE WITH						4		PAOZZ
			INDEX 274)								
	AN960JD10	.	WASHER (UNDER CLAMP) (USE WITH						4		PAOZZ
			INDEX 274)								
275	NAS1787A20G	.	CLAMP						2		PAOZZ
276	74A586390-1003	.	MANIFOLD ASSY, AIRCRAFT - FUEL						1	Y	XBOOO
			TRANSFER TO WING, RS (76301)								
			(SUPERSEDES 74A586390-1001)								
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 276)						1		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
277	74A586391-2005	.	BRACKET (76301) (SUPERSEDES						1	Y	XBOZZ
			74A586391-2001)								
	F12092-4-3	.	NUT ASSEMBLY, RETAINER PLATE (72962)						2	*	PAOZZ
			(MCDONNELL SPEC ST3M721C3M4)								
			(USE WITH INDEX 277)								
	F50403-3-4	.	SEE ABOVE (15653)						2	*	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 277)						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
278	74A586391-2003	.	DOUBLER (76301)						1	Y	XBOZZ
	HLT311-5-5	.	PIN-RIVET, THREADED (AP) (73197)						10	*	PAOZZ
			(MCDONNELL SPEC ST3M7S8V08L5)								
	AIC-L-758V08L5	.	SEE ABOVE (06725)						10	*	PAOZZ
	HL570-5MC	.	COLLAR - PIN-RIVET (AP) (73197)						10	*	PAOZZ
			(MCDONNELL SPEC ST3M525N08ME)								
279	74A586481-1005	.	MANIFOLD, FLUID, AIRCRAFT - FUEL						1	X	XBOOO
			TRANSFER TO WING, RH (76301)								
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 279)						1		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 49)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
280	NAS673V1	.	BOLT	.....					2	X	PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 280)	.....					2		PAOZZ
281	NAS673V10	.	BOLT	.....					4	X	PAOZZ
	AN960JD10L	.	WASHER (AP) (UNDER BOLT)	.....					4		PAOZZ
	AN960JD10	.	WASHER (AP) (UNDER CLAMP)	.....					4		PAOZZ
282	74A586499-1005	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW, WING TRANSFER RH (76301) (SUPERSEDES 74A586499-1001)	.....					1		MGOZZ
283	74A586498-1005	.	TUBE ASSEMBLY, METAL - XFR MOTIVE FLOW, WING (76301) (SUPERSEDES 74A586498-1001 AND 74A586498-1003)	.....					1		MGOZZ
284	74A586435-2001	.	ELBOW TUBE - SIDE OUTLET, MOTIVE FUEL XFR, WING (76301)	.....					1		PAOZZ
	NAS653V14	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					4		PAOZZ
	NAS1291C3M	.	NUT (AP)	.....					2		PAOZZ
	NAS43DD3-44	.	SPACER (USE WITH INDEX 284)	.....					2		PAOZZ
285	74A586429-1051	.	BRACKET ASSEMBLY (76301)	.....					1		XBOOO
	MS21062L4	.	NUT, PLATE (USE WITH INDEX 285)	.....					5		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
286	74A586429-2081	.	RETAINER (76301)	.....					1		MGOZZ
287	NAS674V2	.	BOLT	.....					7		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 287)	.....					7		PAOZZ
288	NAS674V5	.	BOLT	.....					4		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 288)	.....					4		PAOZZ
289	74A586402-1001	.	BRACKET - ATTACH, SUPPORT, FUEL LINE CLAMPS, RH (76301)	.....					1		XBOGG
	NAS673V4	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD10L	.	WASHER (AP)	.....					2		PAOZZ
290	74A586654-1001	.	SUPPORT ASSY, FUEL LINE - RH, Y470.50 (76301)	.....					1		XBOGG
291	74A586434-1003	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW, TRANS BOOST, TANK NO. 4 (76301) (REPLACES 74A586434-1001)	.....					1		PAOZZ
	74A586434-1001	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW, TRANS BOOST, TANK NO. 4 (76301) (USE UNTIL EXHAUSTED)	.....					1	A	PAOZZ
292	0631270200-5	.	VALVE, SOLENOID - NORMALLY OPEN, SHUTOFF, FUEL (WING DAMAGE FUEL SHUTOFF VALVE) (83533) (MCDONNELL SPEC 74-580170-105) (5L-R110)	.....					1		PAOZZ
293	NAS674V27	.	BOLT	.....					3		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 293)	.....					3		PAOZZ
294	74A585730-2001 ¶	.	RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301) (REPLACES 74A585730-1001)	.....					12		PAOZZ
	74A585730-1001 ¶	.	SEE ABOVE (USE UNTIL EXHAUSTED)	.....					12	B	PAOZZ
	LS580174-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.5 IN. DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101)	.....					12	J	PAOBZ
295	LS580173-101	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.0 IN. DIA TUBE (03038) (MCDONNELL SPEC 74B580173-101)	.....					1		PAOBZ
296	74A586429-1005	.	BRACKET (76301)	.....					1		XBOOO
297	NAS674V1	.	BOLT	.....					2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 297)	.....					2		PAOZZ
298	74A586429-1043	.	BRACKET ASSEMBLY (76301)	.....					1		XBOOO
299	74A585733-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 2.00 DIA, ASSY OF (76301) (REPLACES 74A585733-1001)	.....					8		PAOZZ
	74A585733-1001 ¶	.	SEE ABOVE (USE UNTIL EXHAUSTED)	.....					7	C	PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 50)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	LS580173-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.0 IN.						8	J	PAOBZ
			DIA TUBE (03038) (MCDONNELL SPEC								
			74B580173-101)								
300	74A586670-1001	.	NUT, SELF-LOCKING, ROUND - BHD CONN,						2		PAOZZ
			1.5 IN. DIA TUBE (76301)								
301	MS29513-331	.	PACKING						2		PAOZZ
302	74A585761-2001 ¶	.	RETAINER, FUEL CELL FITTING - WING						4		PAOZZ
			INTFC, 0.75 DIA ASSY OF (76301)								
	74A585761-1001 ¶	.	SEE ABOVE						4	*	PAOZZ
	74A586450-1005 ¶	.	NUT, EXTENDED WASHER HEXAGON, SELF-.....						4	J	PAOZZ
			LOCKING, BHD CONN (76301)								
303	M25988/1-322	.	PACKING						6		PAOZZ
304	AN814-6D	.	PLUG						1	U	PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 304)						1		PAOZZ
305	7M637BD-6D	.	NIPPLE (76301)						1	V	PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 305)						1		PAOZZ
306	74A585734-2001 ¶ φφ	.	RETAINER, FUEL CELL FITTING - BHD, 1.25						4	T	PAOZZ
			DIA, ASSY OF (76301)								
	74A585734-1001 ¶ φφ	.	SEE ABOVE						4	T*	PAOZZ
	LS5B0171-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 1.25						4	J	PAOBZ
			IN. DIA TUBE (03038) (MCDONNELL SPEC								
			74B580171-101)								
307	125639-221	.	VALVE SUBASSEMBLY (FUEL DUMP VALVE)						1		PAOZZ
			(73760) (MCDONNELL SPEC 74-580141-221)								
			(REPLACES 125639)								
	125639	.	VALVE SUBASSEMBLY (FUEL DUMP VALVE)						1	AD	PAOZZ
			(73760) (MCDONNELL SPEC 74-580141-211)								
			(USE UNTIL EXHAUSTED)								
	NAS674V1	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
308	74A586429-1039	.	SUPPORT ASSEMBLY (76301)						1		XBOOO
	MS21062L3	.	NUT, PLATE (USE WITH INDEX 308)						6		PAOZZ
	NS20426AD3 #	.	RIVET (AP)						2		-
309	74A586447-2003	.	PLATE, ADAPTER - DUMP VALVE MOUNTING						1		MGOZZ
			(76301)								
	74A586447-2001	.	SEE ABOVE						1	*	MGOZZ
310	NAS674V3	.	BOLT						14		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 310)						14		PAOZZ
311	74A586448-1003	.	ADAPTER, MOUNTING - FUEL DUMP VALVE						1	AK	XBOGG
			(76301)								
	74A586448-1001	.	SEE ABOVE						1	AL	XBOGG
	NAS673V2	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
312	74A585760-2001 ¶	.	RETAINER, FUEL CELL FITTING - TANK PRESS,						2		PAOZZ
			WING, ASSY OF (76301)								
	74A585760-1001 ¶	.	SEE ABOVE						2	*	PAOZZ
	74A586450-1003 ¶	.	NUT, EXTENDED WASHER, HEXAGON, SELF-.....						2	J	PAOZZ
			LOCKING, BHD CONN (76301)								
313	M25988/1-315	.	PACKING						3		PAOZZ
314	74A585759-2001 ¶	.	RETAINER, FUEL CELL FITTING - PRECHECK,						2		PAOZZ
			WING ASSY OF (76301)								
	74A585759-1001 ¶	.	SEE ABOVE						2	*	PAOZZ
	74A586450-1001 ¶	.	NUT, EXTENDED WASHER, HEXAGON SELF-.....						2	J	PAOZZ
			LOCKING, BHD CONN (76301)								
315	74A586429-1083	.	BRACKET (76301) (SUPERSEDES						1		XBOOO
			74A586429-1041)								
	NAS674V1	.	BOLT (AP)						2		PAOZZ
	AN960JD416	.	WASHER (AP)						2		PAOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 315)						4		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 51)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
316	LS580174-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.5 IN.						1		PAOBZ
			DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101)								
317	74A586429-1011	.	BRACKET (76301)						1		XBOOO
318	NAS654V4	.	BOLT						1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 318)						1		PAOZZ
319	74A586650-2007	.	SPACER, TRANSFER PUMP MOUNTING (76301)						1		PAOZZ
320	2800095-101	.	VALVE, FLOAT, AIRCRAFT - PILOT REFUEL						1		PAOZZ
			LEVEL (NO. 4 FUEL TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC-74-580108-221)								
	2800018-101	.	SEE ABOVE (MCDONNELL SPEC 74-580108-211						1	*	PAOZZ
	NAS674V2	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
321	74A586882-1005	.	ADAPTER, FLOAT VALVE - TK NO. 4, Y453.000.						1	K	XBOOO
			(76301)								
	74A586882-1007	.	ADAPTER, FLOAT VALVE - TK NO. 4, Y453.000.						1	L	XBOOO
			(76301)								
	NAS673V2	.	BOLT (AP)						3		PAOZZ
	AN960JD10L	.	WASHER (AP)						3		PAOZZ
	MS21062L4	.	NUT, PLATE (USE WITH INDEX 321)						4	K	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						8	K	-
	MS21209F4-15	.	INSERT (USE WITH INDEX 321)						3	L	PAOZZ
322	74A586429-1084	.	BRACKET (76301) (SUPERSEDES 74A586429-1042)						1		XBOOO
	NAS674V1	.	BOLT (AP)						2		PAOZZ
	AN960JD416	.	WASHER (AP)						2		PAOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 322)						8		PAOZZ
	MS20426AD3 #	.	RIVET						2		-
323	7M637BD-6D	.	NIPPLE (76301)						1		PAOZZ
	MS29512-06	.	PACKING (USE WITH INDEX 323)						1		PAOZZ
324	7M637BD-4D	.	NIPPLE (76301)						1		PAOZZ
	MS29512-04	.	PACKING (USE WITH INDEX 324)						1		PAOZZ
325	74A585735-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 1.00						5		PAOZZ
			DIA, ASSY OF (76301) (REPLACES 74A585735-1001)								
	74A585735-1001 ¶	.	SEE ABOVE (USE UNTIL EXHAUSTED)						5	B	PAOZZ
	LS580178-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 1.0 IN.						5	J	PAOBZ
			DIA TUBE (03038) (MCDONNELL SPEC 74B580178-101)								
326	MS29513-325	.	PACKING						5		PAOZZ
327	74A585739-2001 ¶	.	RETAINER, FUEL CELL FITTING - BLD, 1.50						4		PAOZZ
			DIA, ASSY OF (76301) (REPLACES 74A585739-1001)								
	74A585739-1001 ¶	.	SEE ABOVE (USE UNTIL EXHAUSTED)						4	B	PAOZZ
	LS580172-101 ¶	.	NUT, SELF-LOCKING, ROUND - BHD CONN, 1.5 IN. DIA TUBE (03038) (MCDONNELL SPEC 74B580172-101)						4	J	PAOBZ
328	NS29513-329	.	PACKING						4		PAOZZ
329	74A585734-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 1.25						3		PAOZZ
			DIA, ASSY OF (76301) (REPLACES 74A585734-1001)								
	74A585734-1001 ¶	.	SEE ABOVE (USE UNTIL EXHAUSTED)						3	D	PAOZZ
	LS580171-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 1.25 IN. DIA TUBE (03038) (MCDONNELL SPEC 74B580171-101)						3	J	PAOBZ
330	74A585731-2003 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 2.50						1		PAOZZ
			DIA, ASSY OF (76301)								
	74A585731-1003 ¶	.	SEE ABOVE						1	*	PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 52)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	LS580177-101 ¶	.	LOCKNUT, TUBE FITTING - SPCL BHD CONN,						1	J	PAOBZ
			2.5 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580177-101)								
331	MS29513-339	.	PACKING						4		PAOZZ
332	74A585738-2001 ¶ φφφ	.	RETAINER, FUEL CELL FITTING - BHD, ASSY.						1	R	PAOZZ
			OF (76301)								
	74A585738-1001 ¶ φφφ	.	SEE ABOVE						1	R*	PAOZZ
	74A587116-2001 ¶	.	RETAINER, FUEL CELL FITTING BHD, ASSY.						1	N	PAOZZ
			OF (76301) (REPLACES 74A587116-1003)								
	74A587116-1003 ¶	.	SEE ABOVE (USE UNTIL EXHAUSTED).						1	M	PAOZZ
	LS580176-101 ¶	.	LOCKNUT, TUBE FITTING - SPCL, BHD CONN,.						1	J	PAOBZ
			2.0 DIA TUBE (03038) (MCDONNELL SPEC 74B580176-101)								
333	MS29513-335	.	PACKING						1		PAOZZ
334	NAS654V2	.	BOLT						1		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 334).						1		PAOZZ
335	74A585733-2005 ¶	.	RETAINER, FUEL CELL FITTING BHD 2.00.						1	AN	PAOZZ
			DIA, ASSY OF (76301)								
336	74A585733-1001 ¶	.	RETAINER, FUEL CELL FITTING BHD 2.00.						1	AQ	PAOZZ
			DIA, ASSY OF (76301)								
337	74R585004-2001 ¶	.	NUT SELF-LOCKING, ROUND BHD CONN,.						1	AM	PAOZZ
			2.0 IN DIA TUBE (76301)								
	LS580173-101 ¶	.	LOCKNUT, TUBE FITTING - BHD COND,.						1	AP	PAOBZ
			2.0 IN. DIA TUBE (03038) (MCDONNELL SPEC 74B580173-101)								
338	NAS43DD4-54	.	SPACER						1		PAOZZ
339	74A586429-1091	.	SUPPORT ASSY (FUEL LINE CLAMPS, LEFT,.						1	AK	XBOOO
			Y470.5) (76301)								
	NAS673V3	.	BOLT (AP)						2		PAOZZ
	AN960JD10L	.	WASHER (AP).						2		PAOZZ
340	74A586429-2211	.	SUPPORT (76301).						1	AR	XBOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 340).						6		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
341	74A586429-2213	.	BRACKET ASSY (76301).						1	AK	XBOOO
	MS20470AD5 #	.	RIVET (AP)						6		-
	74A586429-2215	.	BRACKET (76301) (USE WITH INDEX 341).						1		XBOZZ
	MS21062L3	.	NUT, PLATE (USE WITH INDEX 341).						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
342	74A586479-2001	.	BRACKET, ATTACH, SUPPORT, FUEL LINE						1		XBOZZ
			CLAMPS, LH (76301)								
343	NAS674V1	.	BOLT						3		PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 343).						3		PAOZZ
344	NAS654V20	.	BOLT						1		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 344).						1		PAOZZ
345	74A586650-2005	.	SPACER, TRANSFER PUMP MOUNTING (76301).						1		PAOZZ
346	74A586880-2001	.	PLATE, RETAINER - PROBE GUIDE FUEL QTY.						1		PAOZZ
			(76301)								
	NAS673V1	.	BOLT (AP)						3		PAOZZ
	AN960JD10L	.	WASHER (AP).						3		PAOZZ
347	74A586429-1035	.	SUPPORT (FUEL LINE CLAMPS, LEFT Y470.5).						1	AL	XBOOO
			(76301)								
	NAS673V3	.	BOLT (AP)						2		PAOZZ
	AN960JD10	.	WASHER (AP).						2		PAOZZ
348	NAS674V5	.	BOLT						3	AL	PAOZZ
	AN960JD416	.	WASHER (USE WITH INDEX 348).						3	AL	PAOZZ
349	74A586429-2227	.	SPACER, SUPPORT (76301).						1	AL	PAOZZ
350	74A585748-2001 ¶	.	RETAINER, TANK BAY FLOOR, TUBE TO -.						2		PAOZZ
			FUEL RECIRC, ASSY OF (76301)								
	74A585748-1001 ¶	.	SEE ABOVE						2	*	PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 53)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	74A586450-1007 ¶	.						NUT, EXTENDED WASHER, HEXAGON SELF-LOCKING BHD CONN (76301)	2	J	PAOZZ
351	74A585747-2001 ¶	.						RETAINER, FUEL CELL FITTING - BULKHEAD 3.00 DIA, ASSY OF (76301)	1		PAOZZ
	74A585747-1001 ¶	.						SEE ABOVE	1	*	PAOZZ
	LS5B0175-101 ¶	.						LOCKNUT, TUBE FITTING - BHD CONN, 3.0 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580175-101)	1	J	PAOBZ
352	MS29513-341	.						PACKING	1		PAOZZ
353	74A586880-2001	.						PLATE, RETAINER - PROBE GUIDE, FUEL QTY (76301)	2		PAOZZ
354	NAS673V1	.						BOLT	3		PAOZZ
	AN960JD10L	.						WASHER (USE WITH INDEX 354)	3		PAOZZ
355	74A582082-1003	.						ADAPTER - TANK DRAIN AND VENT (76301)	1		PAOZZ
	74A582082-1001	.						SEE ABOVE	1	*	PAOZZ
356	MS29513-213	.						PACKING	1		PAOZZ
357	74A585736-2003 ¶	.						RETAINER FUEL CELL FITTING - BHD, 0.375 DIA, ASSY OF (76301)	1		PAOZZ
	74A585736-1003 ¶	.						SEE ABOVE	1	*	PAOZZ
	74A586450-1003 ¶	.						NUT, EXTENDED WASHER HEXAGON SELF-LOCKING, BHD CONN (76301)	1	J	PAOZZ
358	NAS674V4	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 358)	2		PAOZZ
359	74A586437-2003	.						ADAPTER, CONDUIT - ELEC JUNCTION BOX, FUEL SYSTEM (76301)	1		PAOZZ
	NAS663V4HT	.						SCREW (AP)	3		PAOZZ
	AN960JD10L	.						WASHER (AP)	3		PAOZZ
	NAS1291C3M	.						NUT (AP)	3		PAOZZ
360	MS29513-132	.						PACKING	1		PAOZZ
361	KJL7YC103451-3	.						CONNECTOR, RECEPTACLE (71468) (MCDONNELL SPEC 5M1701-11D35PN) (INCLUDES JAMNUT) (5J-R120)	1	*	PAOZZ
	92344-01	.						SEE ABOVE (14283)	1	*	PAOZZ
362	M25988/1-022	.						PACKING (M25988-1-022) (NHPA 5M1701-11D35PN)	1		PAOZZ
363	74A586454-2003	.						HOLDER, ELECTRICAL CONNECTOR - FUEL SYSTEM (76301)	1		PAOZZ
364	74A586429-2123	.						WASHER, KEY (76301)	1	AU	XBOZZ
365	74A586429-2355	.						WASHER (76301)	1	AV	XBOZZ
366	MS27467T11B35S	.						CONNECTOR, PLUG (5P-R120)	1		PAOZZ
367	RRT 200 SP M9	.						RING, RETAINING (80756) (MCDONNELL SPEC 9M188C200)	1		PAOZZ
368	74A586404-2001	.						TEE, TUBE - VENT, FUEL BAY FLOOR UPPER (DORSAL DECK) (76301)	2		PAOZZ
369	NAS674V3	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 369)	2		PAOZZ
370	74A586463-1005	.						TUBE ASSEMBLY, METAL - DORSAL VENT Y473 TEE, TO Y482 TEE (76301) (REPLACES 74A586463-1003)	1		PAOZZ
	74A586463-1003	.						TUBE ASSEMBLY, METAL - DORSAL VENT Y473 TEE, TO Y482 TEE (76301) (USE UNTIL EXHAUSTED)	1	A	PAOZZ
371	NAS674V5	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 371)	2		PAOZZ
372	NAS674V3	.						BOLT	1		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 372)	1		PAOZZ
373	NAS674V3	.						BOLT	1	AU	PAOZZ
	NAS674V5	.						BOLT	1	AV	PAOZZ
	AN960JD416L	.						WASHER (UNDER HEAD) (USE WITH INDEX 373)	1		PAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 54)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	AN960JD416	.	WASHER (UNDER ELECTRICAL LEAD) (USE.						1	AV	PAOZZ
		.	WITH INDEX 373)								
374	MS2S083-2BCS	.	LEAD, ELECTRICAL						1	AV	PAOZZ
375	NAS673V2	.	BOLT						1	AV	PAOZZ
	AN960JD10L	.	WASHER						2	AV	PAOZZ
	NAS1291C3M	.	NUT						1	AV	PAOZZ
376	74A586255-2001	.	ELBOW, TUBE - .50 IN LINE, VENT FUEL						2		PAOZZ
		.	SYSTEM (76301)								
377	NAS674V5	.	BOLT						6		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 377).....						6		PAOZZ
378	74AS86407-2001	.	TEE TUBE - 1/2 IN LINE, FUEL VENT.....						1		PAOZZ
		.	SYSTEM (76301)								
379	74AS86461-1007	.	TUBE ASSEMBLY, METAL - DORSAL VENT.....						1		PAOZZ
		.	Y530 TEE TO Y537 ELB (76301)								
	74AS86461-1005	.	SEE ABOVE						1	*	PAOZZ
	74A586461-1003	.	TUBE ASSEMBLY, METAL - DORSAL VENT.....						1	*	PAOZZ
		.	Y530 TEE TO Y537 ELB (76301)								
380	HT4053-4-2A	.	SCREW, CLOSE TOLERANCE (73197).....						1		PAOZZ
		.	(MCDONNELL SPEC ST3M740-4L2)								
381	MS27467T11B35S	.	CONNECTOR, PLUG (5P-P069).....						1		PAOZZ
382	MA11A1187-225	.	ACTUATOR, ELECTRO-MECHANICAL,						1		PAOZZ
		.	ROTARY (FUEL DUMP VALVE MOTOR)								
		.	(73760) (MCDONNELL SPEC								
		.	74-580141-111) (5B-P069)								
	MA11A1187-219	.	ACTUATOR, ELECTRO-MECHANICAL						1	*	PAOZZ
		.	ROTARY (FUEL DUMP VALVE MOTOR)								
		.	(73760) (MCDONNELL SPEC 74-580141-111)								
383	MS29513-214	.	PACKING.....						1		PAOZZ
384	MS29513-385	.	PACKING.....						2		PAOZZ
	74K580004-1007 + +	.	PACKING ASSORTMENT, PREFORMED - ACCESS.						1		PAOZZ
		.	COVER, FUEL TANK, NO. 4 (76301)								
	74K580004-1005	.	SEE ABOVE						1	*	PAOZZ
	MS29513-385	.	PACKING.....						2		XAOZZ
	MS29513-341	.	PACKING.....						1		XAOZZ
	MS29513-339	.	PACKING.....						4		XAOZZ
	MS29513-337	.	PACKING.....						17		XAOZZ
	MS29513-335	.	PACKING.....						1		XAOZZ
	MS29513-334	.	PACKING.....						1		XAOZZ
	MS29513-333	.	PACKING.....						15		XAOZZ
	MS29513-331	.	PACKING.....						2		XAOZZ
	MS29513-330	.	PACKING.....						1		XAOZZ
	MS29513-329	.	PACKING.....						4		XAOZZ
	MS29513-327	.	PACKING.....						8		XAOZZ
	MS29513-326	.	PACKING.....						6		XAOZZ
	MS29513-325	.	PACKING.....						5		XAOZZ
	MS29513-234	.	PACKING.....						2		XAOZZ
	MS29513-230	.	PACKING.....						46		XAOZZ
	MS29513-228	.	PACKING.....						2		XAOZZ
	MS29513-226	.	PACKING.....						24		XAOZZ
	MS29513-222	.	PACKING.....						31		XAOZZ
	MS29513-218	.	PACKING.....						12		XAOZZ
	MS29513-214	.	PACKING.....						27		XAOZZ
	MS29513-213	.	PACKING.....						1		XAOZZ
	MS29513-132	.	PACKING.....						1		XAOZZ
	MS29513-126	.	PACKING.....						3		XAOZZ
	MS29513-117	.	PACKING.....						27		XAOZZ
	MS29513-033	.	PREFORMED PACKING						1		XAOZZ
	MS29513-024	.	PREFORMED PACKING						3		XAOZZ
	MS29513-015	.	PACKING.....						10		XAOZZ

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 55)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	MS29512-06	. PACKING.....	2		XAOZZ
	MS29512-04	. PACKING.....	3		XAOZZ
	M25988/1-322	. PACKING.....	6		XAOZZ
	M25988/1-315	. PACKING.....	3		XAOZZ
	M25988/1-312	. PACKING.....	36		XAOZZ
	M25988/1-230	. PACKING.....	4		XAOZZ
	M25988/1-214	. PACKING.....	6		XAOZZ
	M25988/1-107	. PACKING.....	2		XAOZZ

± USE WITH 2760113-111 OR 2760113-113

@ USE WITH 2760113-107 OR 2760113-109

§ PARTS WITH THIS SYMBOL MUST BE USED TOGETHER AND MAY BE USED TO REPLACE PART WITH §§ SYMBOL.

§§ PART WITH THIS SYMBOL MAY BE REPLACED BY PARTS WITH § SYMBOL.

+ + KIT INCLUDES PACKINGS FOR COVER INSTALLATION, REF. WP007 00 & WP008 00. USER MAY COMPLETE TANK INSTALLATION AND HAVE PACKINGS REMAINING BECAUSE KIT CONTAINS ENOUGH PACKINGS TO COVER ALL EFFECTIVITIES.

* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

+ USE WITH 2760102-103 JET EJECTOR.

† IF SHIMS 179A OR 180B ARE USED THE AN960JD10 WASHERS ARE NOT NEEDED

¶ NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS AND NONPROTRUDING BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS. REF WP043 00 AND WP013 02.

¢ THESE PARTS MAY BE REPLACED BY PARTS CODED ϕ OR ÷.

ϕ THESE PARTS MAY BE REPLACED BY PARTS CODED ÷. PARTS CODED ϕ OR ¢ SHALL NOT BE USED TO REPLACE PARTS CODED ÷.

÷ THESE PARTS WHEN USED TOGETHER REPLACE PARTS CODED ¢ OR ϕ. PARTS CODED ¢ OR ϕ SHALL NOT BE USED TO REPLACE PARTS CODED ÷.

ϕϕ USE 74A585734-2001 AS REPLACEMENT PART FOR 74A585734-1001

ϕϕϕ USE 74A585738-2001 AS REPLACEMENT PART FOR 74A585738-1001

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 56)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		CODE		USABLE ON			MODEL				
		A	161353 THRU 161519			F/A-18A/B					
		B	161716 THRU 162414			F/A-18A/B					
		C	161716 THRU 162413			F/A-18A/B					
		D	161716 THRU 162403			F/A-18A/B					
		E	161742 & UP			F/A-18A/B					
		F	161353 THRU 161365			F/A-18A/B					
		G	161353 THRU 162852			F/A-18A/B					
		H	161353 THRU 161361 BEFORE F/A-18 AFC 53			F/A-18A/B					
		J	161353 THRU 161715			F/A-18A/B					
		K	161353 THRU 161719			F/A-18A/B					
		L	161720 & UP			F/A-18A/B					
		M	161924 THRU 162414			F/A-18A/B					
		N	161924 AND UP			F/A-18A/B					
		P	162436 & UP			F/A-18A/B					
		Q	161733 & UP			F/A-18A/B					
		R	161716 THRU 161761			F/A-18A/B					
		S	161520 THRU 161715			F/A-18A/B					
		T	161353 THRU 161741			F/A-18A/B					
		U	161353 THRU 161761 BEFORE F/A-18 AFC 53			F/A-18A/B					
		V	161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 53			F/A-18A/B					
		W	161353 THRU 162477			F/A-18A/B					
		X	161353 THRU 161755			F/A-18A/B					
		Y	161756 & UP			F/A-18A/B					
		Z	161353 THRU 161761			F/A-18A/B					
		AA	DELETED								
		AB	DELETED								
		AC	161353 THRU 161987			F/A-18A/B					
		AD	161353 THRU 162414			F/A-18A/B					
		AE	161924 THRU 161965 BEFORE F/A-18 AFC 53			F/A-18A/B					
		AF	DELETED								

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 57)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		AG				161353 THRU 161965		F/A-18A/B			
						BEFORE F/A-18 AFC 53					
		AH				DELETED					
		AJ				161966 & UP; ALSO		F/A-18A/B			
						161353 THRU 161965					
						AFTER F/A-18 AFC 53					
		AK				161983 & UP; ALSO		F/A-18A/B			
						161742 THRU 161982					
						AFTER F/A-18 IAFC					
						017 PART 1 AND 161353					
						THRU 161741 AFTER					
						F/A-18 IAFC 017 PART 2					
		AL				161742 THRU 161982		F/A-18A/B			
						BEFORE F/A-18 IAFC					
						017 PART 1 AND 161353					
						THRU 161741 BEFORE					
						F/A-18 IAFC 017 PART 2					
		AM				161353 THRU 161715		F/A-18A/B			
						AFTER F/A-18 IAFC					
						017 PART 2					
		AN				161983 & UP; ALSO		F/A-18A/B			
						161716 THRU 161982					
						AFTER F/A-18 IAFC					
						017 PART 1 AND PART 2					
		AP				161353 THRU 161715		F/A-18A/B			
						BEFORE F/A-18 IAFC					
						017 PART 2					
		AQ				161716 THRU 161982		F/A-18A/B			
						BEFORE F/A-18 IAFC					
						017 PART 1 AND PART 2					
		AR				161983 THRU 162414;		F/A-18A/B			
						ALSO 161742 THRU					
						161982 AFTER F/A-18					
						IAFC 017 PART 1					
		AS				162415 & UP ALSO		F/A-18A/B			
						161353 THRU 161982					
						BEFORE F/A-18 IAFC					
						017 PART 1 AND PART 2					
		AT				161353 THRU 161741		F/A-18A/B			
						AFTER F/A-18 IAFC					
						017 PART 2					
		AU				161353 THRU 163145		F/A-18A/B			
		AV				163146 & UP		F/A-18A/B			

Figure 1. No. 4 Fuel Tank (5CAP520) (Sheet 58)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
NO. 4 FUEL TANK INSPECTION AND FOLDING
FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Fitting Repair	WP036 00
Ground Support Equipment	WP009 01
Aircraft Fuel Cells and Internal/External Tanks	NAVAIR 01-1A-35

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Inspection	2
Materials Required	1
No. 4 Fuel Tank Folding, Figure 1	3
No. 4 Fuel Tank Installation, Figure 3	14
No. 4 Fuel Tank Removal, Figure 2	13
Support Equipment Required	1

Record of Applicable Technical Directives

None

Support Equipment Required

Materials Required

Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature
74D460104-1003	Fuel Cell Installation and Removal Grommet Set	MIL-B-131, Class 1 (CAGE 81349)	Barrier Material
SK-2954	Protector Cap Kit	A-A-42A (CAGE 58536)	Talcum Powder
MMEP-12B	Hot Air Blower	CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
0900R	Fuel Tank Strap Assembly	TT-I-735 (CAGE 81348)	Isopropyl Alcohol
442-40-10	Fuel Tank Ratchet Assembly	-	Plastic or Wooden Scraper

1. FUEL TANK HANDLING PRECAUTIONS.

- a. Do not remove tank from storage container until ready for installation or inspection.
- b. Do not drag or tumble fuel tank or use fittings for handles.
- c. After removal from container, keep fuel tank on clean barrier material.
- d. Keep tank out of direct sunlight.
- e. Tank and cavity must be at least 60°F before folding for removal and installation. Use hot air blower as required.
- f. Do not wear shoes, jewelry, or use any sharp objects while folding fuel tank. Wear only clean coveralls with no pockets or buttons and clean white socks.
- g. Do not stand or kneel on tank.
- h. Do not crease or fold areas around fittings.
- i. Do not rest folded tank on sharp edges.
- j. Do not keep tank folded more than 8 hours.
- k. Follow folding, removal, and installation procedures in figures 1, 2 and 3.
- l. Use fuel tank straps and ratchet assemblies to compress fuel tank (WP009 01).

2. INSPECTION (QA).

- a. Inspect fuel tank per NAVAIR 01-1A-35 and substeps below:
 - (1) Inspect fuel tank interior for loose liner lap.
 - (2) A loose liner lap is allowable up to 1/4 inch width for complete length of liner lap, if 1 inch bond is maintained on fabric liner and 1/4 inch on rubber liner.
 - (3) Inspect for and remove foreign material in access fitting floating nuts.
 - (4) Inspect for and clean (paragraph 3) all fittings of:
 - (a) dirt
 - (b) grease
 - (c) corrosion

(d) burrs

(e) foreign material that would prevent packing seal

(5) Inspect for and repair (WP036 00) fittings with:

(a) cracks

(b) scratches at tank/cavity sealing surface

(c) nicks at tank/cavity sealing surface

(d) distortion

(e) damaged threads

(f) sharp edges

(g) damage that would cause mismatch, or prevent packing seal

3. CLEANING.



Isopropyl Alcohol, TT-I-735

2



To prevent scratches, use only a plastic or wooden scraper, and clean lint-free cheesecloth to remove foreign material from fuel tank fittings.

a. Using a plastic or wooden scraper, and clean lint-free cheesecloth moistened in isopropyl alcohol, remove dirt, grease or foreign material.

b. Wipe area with dry cheesecloth before isopropyl alcohol evaporates.

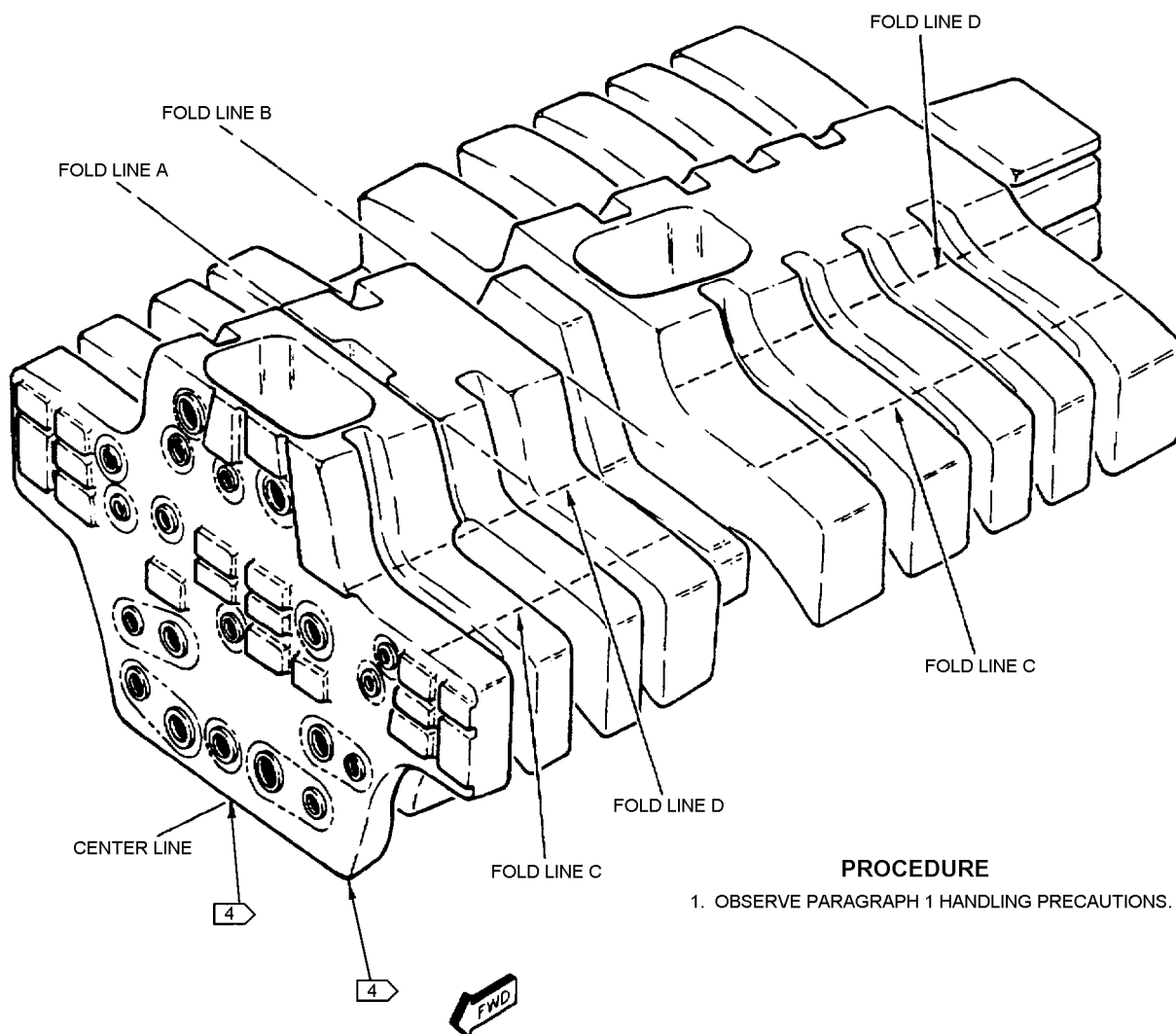
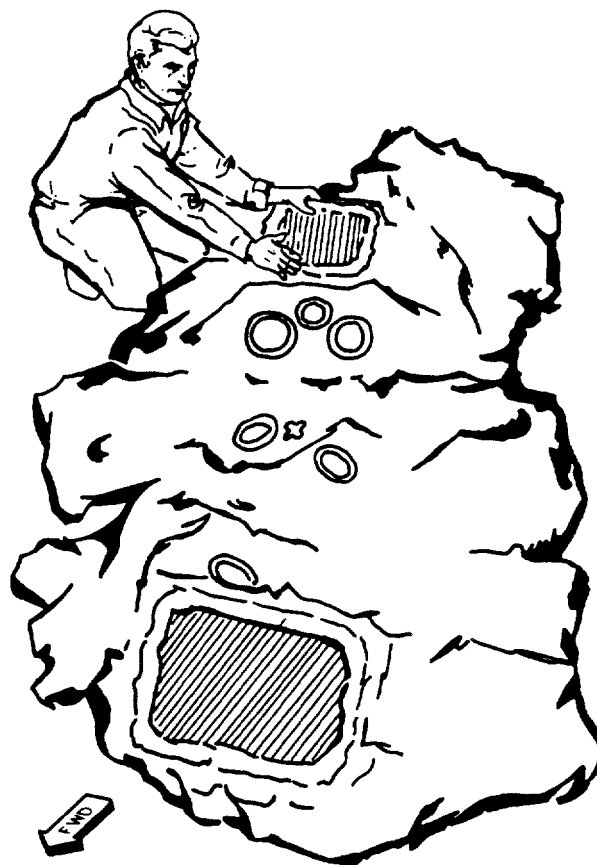


Figure 1. No. 4 Fuel Tank Folding (Sheet 1)

2. LAY OUT FUEL TANK ON PROTECTIVE MATERIAL.
3. INSTALL PROTECTOR CAPS TO ACCESS FITTINGS, AND TO ALL FITTINGS ON INSIDE OF TANK.
4. MARK THE FORWARD WALL OF TANK WITH TWO CHALK MARKS TO ALLOW FOR ALIGNMENT OF TANK INSIDE CAVITY, SEE SHEET 1.
5. FLATTEN TANK, DISPERSING WRINKLES AND FOLDS.
6. LIGHTLY DUST OUTSIDE OF TANK WITH TALCUM POWDER.



02900102

Figure 1. No. 4 Fuel Tank Folding (Sheet 2)

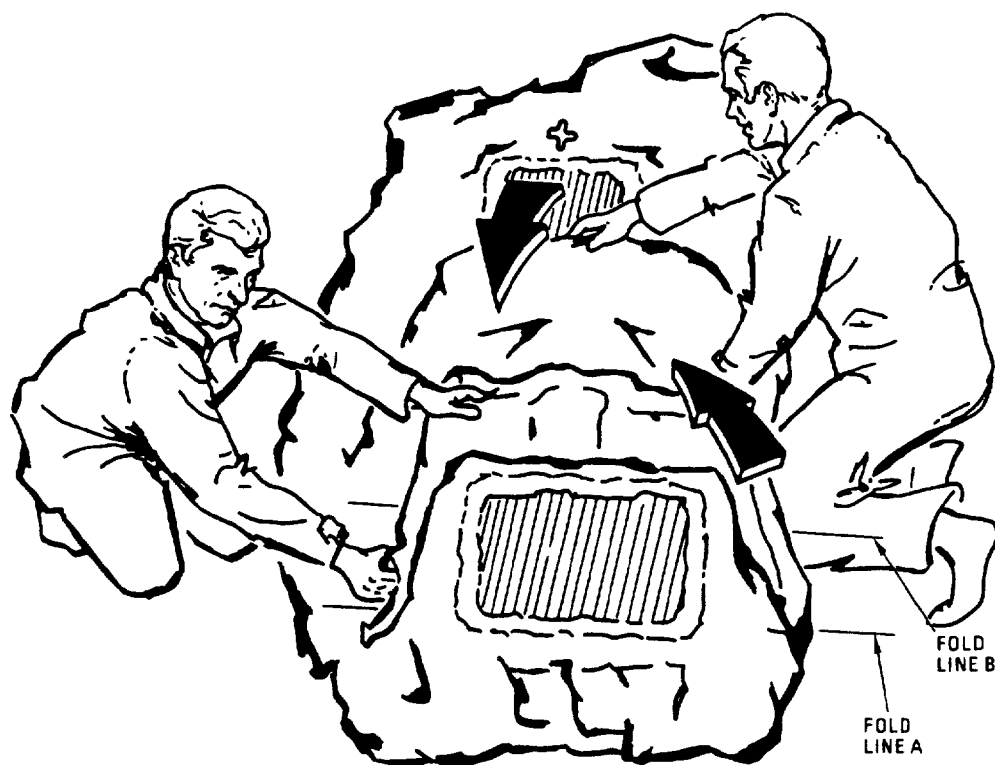
CAUTION

DO NOT CREASE OR FOLD AREAS AROUND FITTINGS.

NOTE

TO EASE STRAPPING OF TANK, POSITION STRAPS UNDER TANK BEFORE FOLDING.

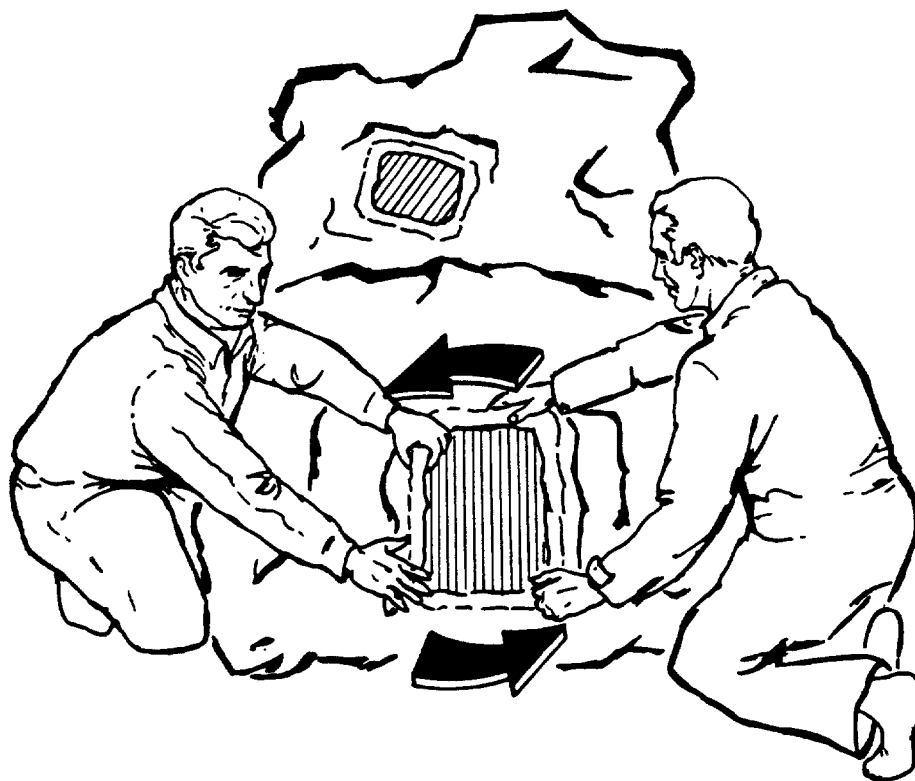
7. COLLECT MATERIAL AT FOLD LINE "A" AND FOLD AFT.
8. COLLECT MATERIAL AT FOLD LINE "B" AND FOLD FORWARD.
9. FLATTEN REMAINING PORTION OF TANK AS MUCH AS POSSIBLE.



02900103

Figure 1. No. 4 Fuel Tank Folding (Sheet 3)

10. ROTATE FORWARD ACCESS FITTING 90° AND FLATTEN.



02900104

Figure 1. No. 4 Fuel Tank Folding (Sheet 4)

11. POSITION 2 STRAPS UNDER FORWARD END OF TANK.

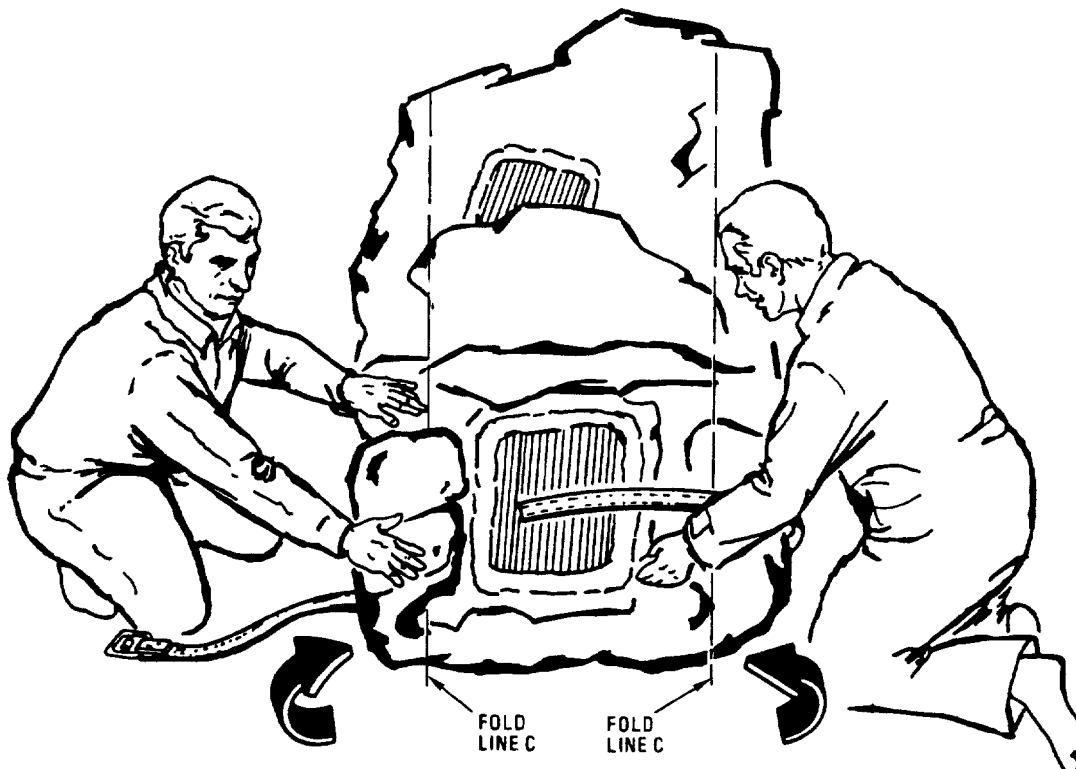
CAUTION

DO NOT CREASE OR FOLD AREAS AROUND FITTINGS.

NOTE

STEPS 12 THRU 14 INVOLVE A PRELIMINARY FOLD THAT KEEPS TANK FROM BULGING IN MIDDLE. FORWARD END OF TANK WILL BE REFOLDED AFTER AFT END OF TANK IS FOLDED.

12. START FOLDING INBOARD ALONG FOLD LINES "C" AT THE FRONT OF TANK.



02900105

Figure 1. No. 4 Fuel Tank Folding (Sheet 5)

13. TIGHTEN STRAPS ENOUGH TO HOLD FOLDS IN PLACE.



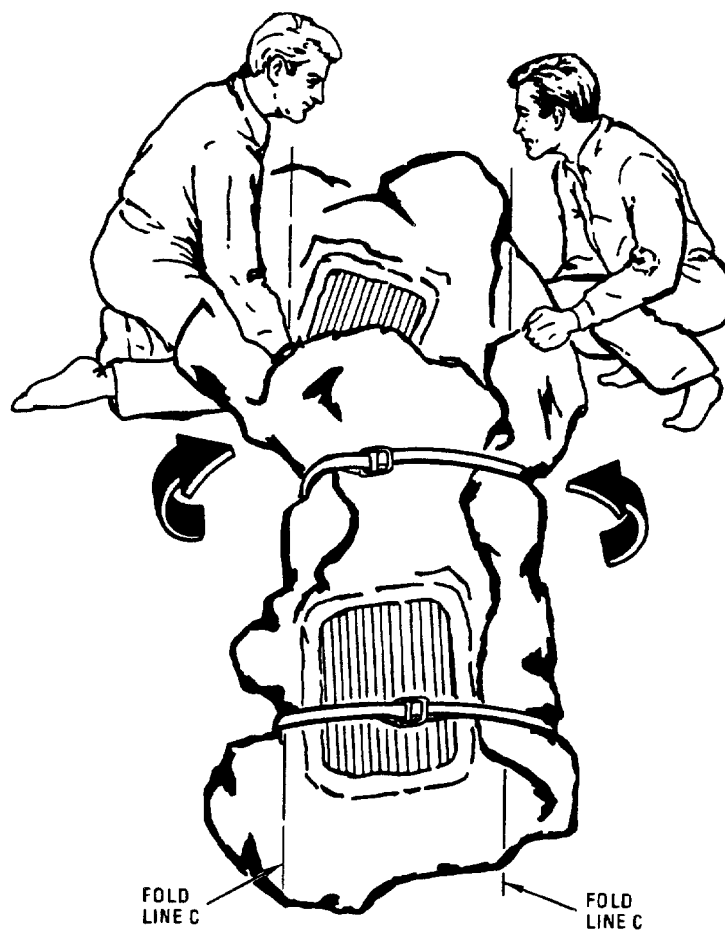
02900106

Figure 1. No. 4 Fuel Tank Folding (Sheet 6)

CAUTION

DO NOT CREASE OR FOLD AREAS AROUND FITTINGS.

14. MOVING AFT, CONTINUE FOLDING TANK INBOARD ALONG FOLD LINES "C".



02900107

Figure 1. No. 4 Fuel Tank Folding (Sheet 7)

15. FOLD TANK OVER AGAIN ALONG FOLD LINES "D"

CAUTION

DO NOT CREASE OR FOLD AREAS AROUND FITTINGS.

16. MOVING FORWARD, CONTINUE TO STRAP AND COMPRESS TANK ALONG FOLD LINES "D".

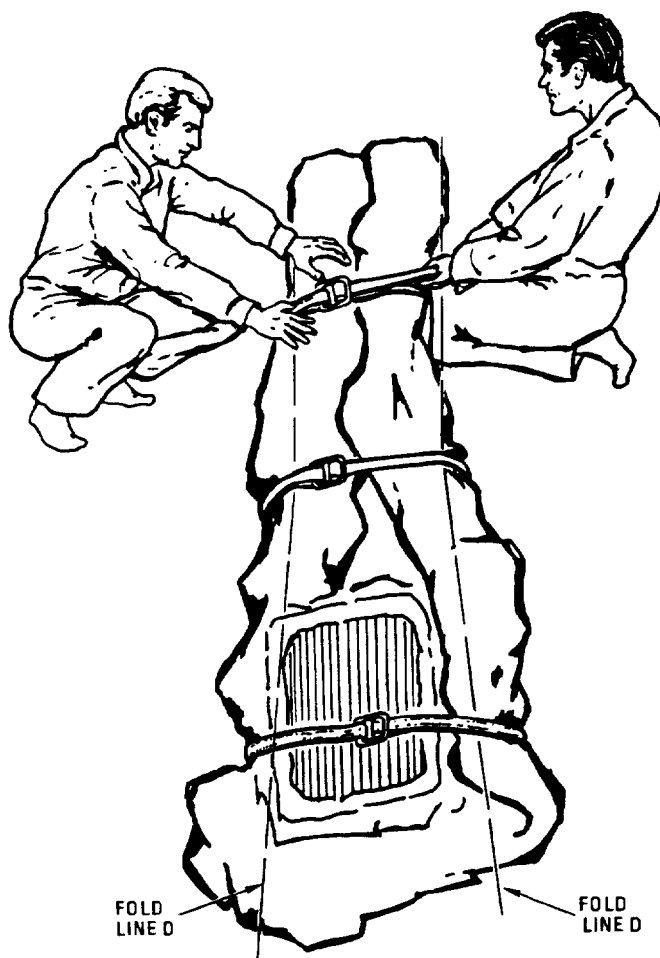


Figure 1. No. 4 Fuel Tank Folding (Sheet 8)

17. LOOSEN THE TWO STRAPS AT THE FRONT OF THE TANK.

CAUTION

DO NOT CREASE OR FOLD AREA AROUND FITTINGS.

18. FOLD TANK OVER ACCESS FITTING ALONG FOLD LINE "D".

19. TIGHTEN STRAPS BY HAND.



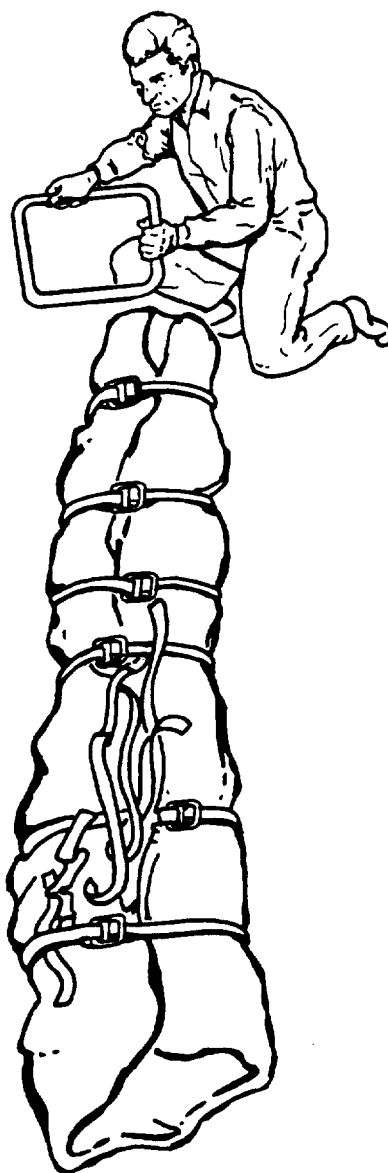
02900109

Figure 1. No. 4 Fuel Tank Folding (Sheet 9)

CAUTION

PROTECTIVE MATERIAL MUST BE PLACED
BETWEEN STRAP BUCKLE AND TANK.

20. INSTALL AS MANY STRAPS AROUND TANK AS REQUIRED.
21. SLIDE TANK INSTALLATION GROMMET OVER LENGTH OF TANK
TO MAKE SURE IT WILL FIT THROUGH ACCESS OPENINGS.

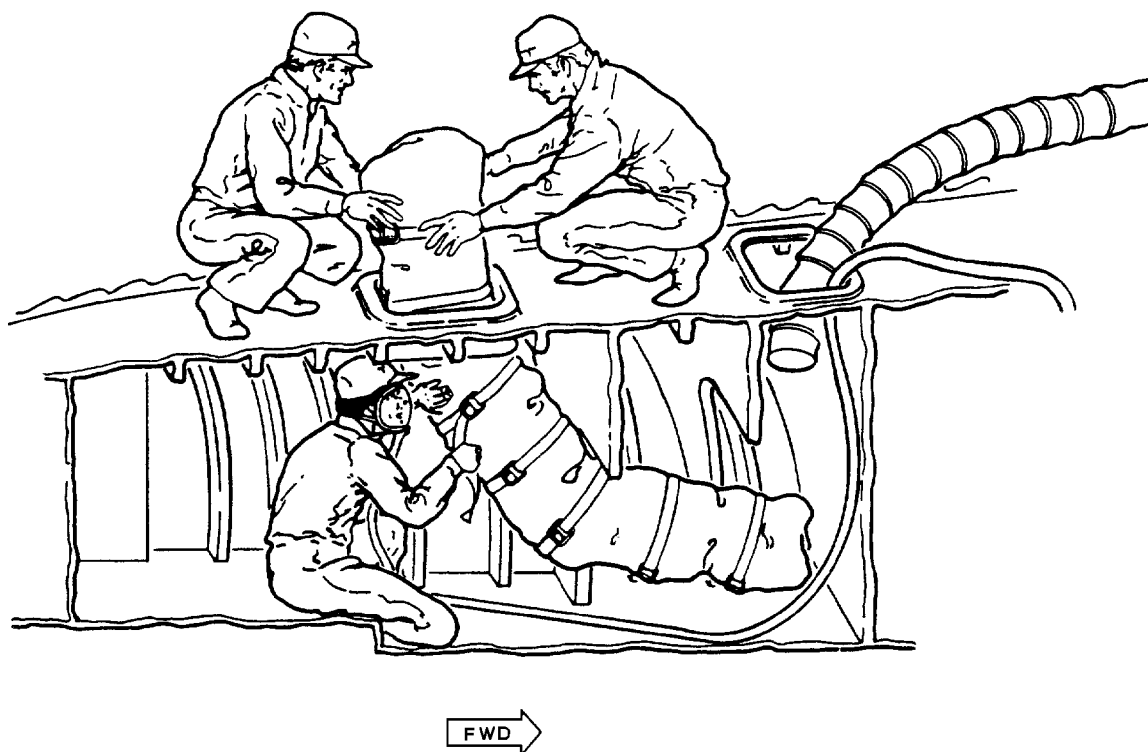


02900110

Figure 1. No. 4 Fuel Tank Folding (Sheet 10)

PROCEDURE

1. FOLD TANK AS SHOWN IN FIGURE 1.
2. DUST GROMMET WITH TALCUM POWDER.
3. INSTALL GROMMET INSIDE OF AFT ACCESSS OPENING.
4. WITH ONE MAN INSIDE CAVITY, WORK AFT END OF TANK THROUGH AFT ACCESS OPENING. MAN INSIDE CAVITY TIGHTEN STRAPS AS REQUIRED, TO COMPRESS TANK ENOUGH TO FIT THROUGH ACCESS OPENING.

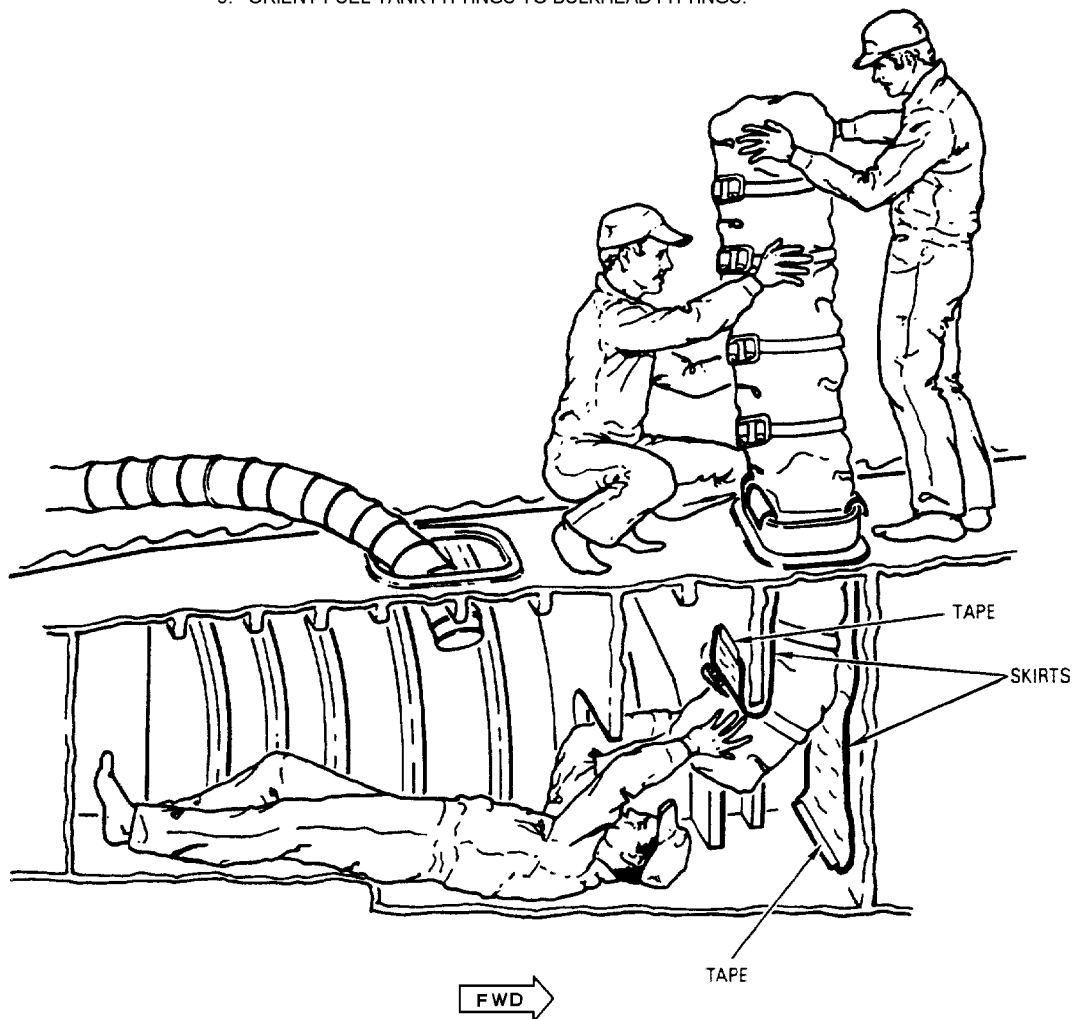


029002

Figure 2. No. 4 Fuel Tank Removal

PROCEDURE

1. FOLD TANK AS SHOWN IN FIGURE 1.
2. DUST GROMMET WITH TALCUM POWDER.
3. INSTALL GROMMET AND SKIRTS IN FORWARD ACCESS OPENING.
4. CAREFULLY INSERT TANK, AFT END FIRST, WITH BUCKLES FACING AFT.
5. ALIGN CHALK MARKS ON FRONT OF TANK WITH FORWARD LEFT HAND CORNER, AND CENTERLINE OF CAVITY.
6. REMOVE STRAPS AND PROTECTIVE MATERIAL FROM TANK AND CAVITY.
7. UNFOLD TANK AND PLACE PROTECTIVE PAD ON FLOOR.
8. REMOVE PROTECTOR CAPS FROM INSIDE OF TANK.
9. ORIENT FUEL TANK FITTINGS TO BULKHEAD FITTINGS.

**Figure 3. No. 4 Fuel Tank Installation**

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

NO. 4 FUEL TANK CAVITY FOAM FILLER

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuel Tank Cavity Preparation	WP039 00

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Removal	2
Support Equipment Required	1

Record of Applicable Technical Directives

None

Support Equipment Required

None

Materials Required (Cont)

Materials Required		Specification or Part Number	Nomenclature
Specification or Part Number	Nomenclature	CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
		EC847 (CAGE 04963)	Adhesive
TT-I-735 (CAGE 81348)	Isopropyl Alcohol	-	Plastic or Wooden Scraper

1. REMOVAL.

a. Observe applicable fuel tank maintenance precautions (WP1013 00).

b. Remove foam filler that is:

(1) damaged

(2) fuel soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00)

(3) loose

c. Remove anti-chafe tape that is:

(1) damaged

(2) loose

d. Scrape away adhesive using plastic or wooden scraper.

2. INSTALLATION. (Figure 1).

a. Observe applicable fuel tank maintenance precautions (WP013 00).

b. Apply anti-chafe tape per WP039 00.

c. Fasteners protruding 0.125 inch require foam filler and anti-chafe tape. Refer to WP039 00.



Isopropyl Alcohol, TT-I-735

2

NOTE

Clean area to be bonded immediately before applying adhesive.

d. Clean surface to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe area with clean,

dry cheesecloth before isopropyl alcohol evaporates. Repeat procedure until no visible contamination remains.

e. Surface of foam to be bonded must be roughened to expose foam cells.

f. Position foam in place. Apply hand pressure to allow forming around structure and fasteners. Trim as required.



Adhesive, EC847

4

g. Apply adhesive to either foam or structure so that foam will be held at edges. Undercut edges or surfaces over protruding fasteners do not have to be bonded. Complete coverage of adhesive is required only on foam that is suspended. Additional adhesive may be used sparingly on larger blocks.

h. Allow adhesive to dry until tacky (5 to 10 minutes). Position foam in place, apply hand pressure to assure proper seating and remove trapped air.

i. Remove excess adhesive from fittings.

j. Allow bonded foam to air cure a minimum of 2 to 4 hours before fuel cell installation.

3. INSPECTION.

4. Visually inspect (WP039 00) complete cavity for metal edges or protrusions not covered with foam filler or anti-chafe tape which could cause damage to fuel tank. (QA)

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

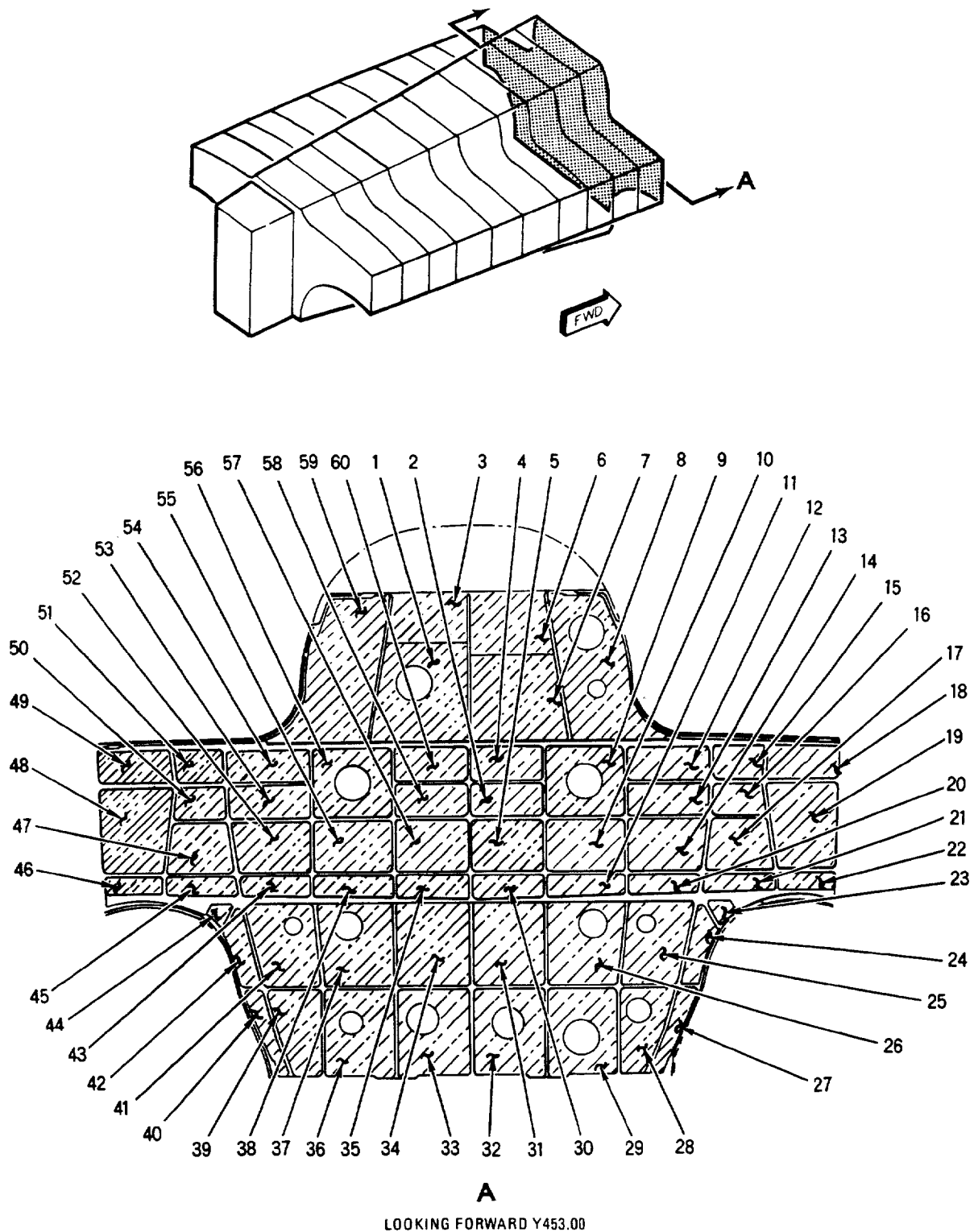


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 1)

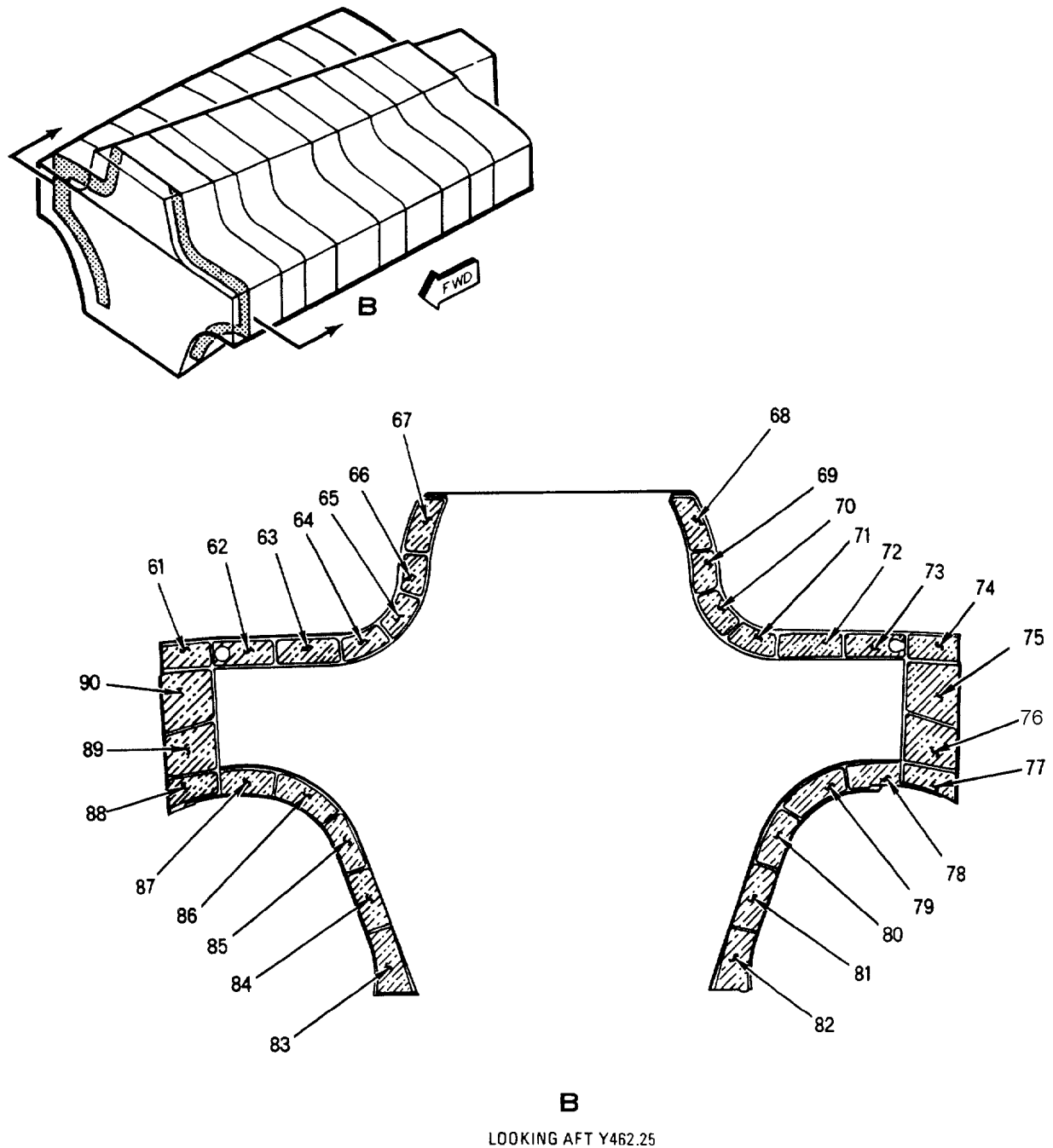


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 2)

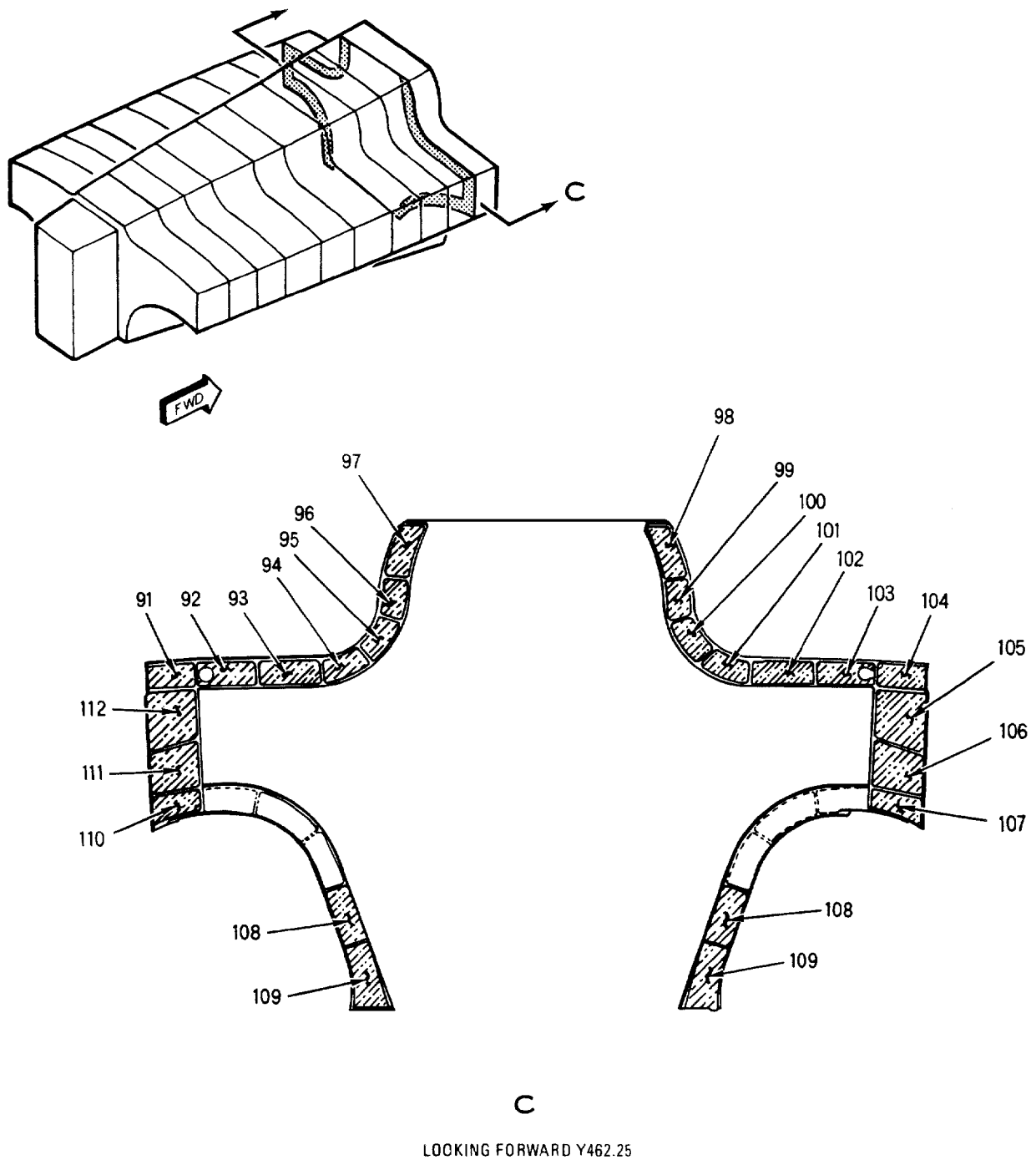


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 3)

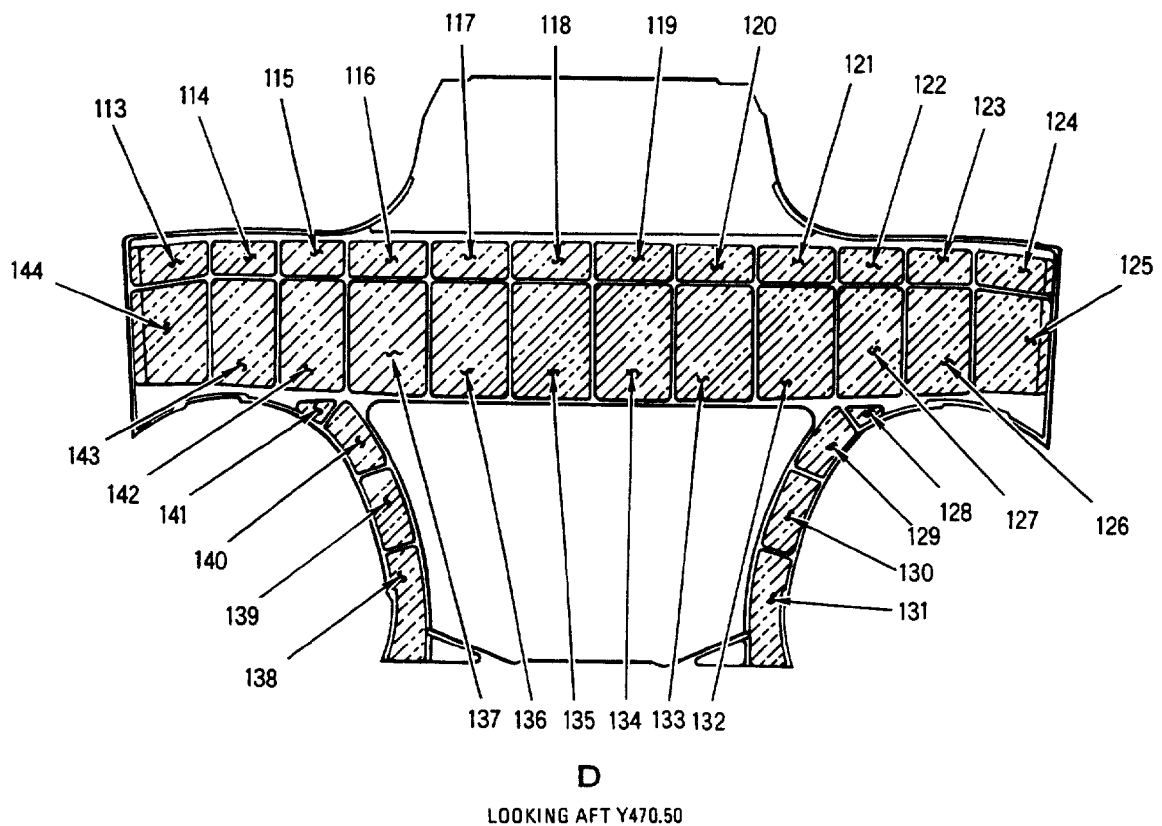
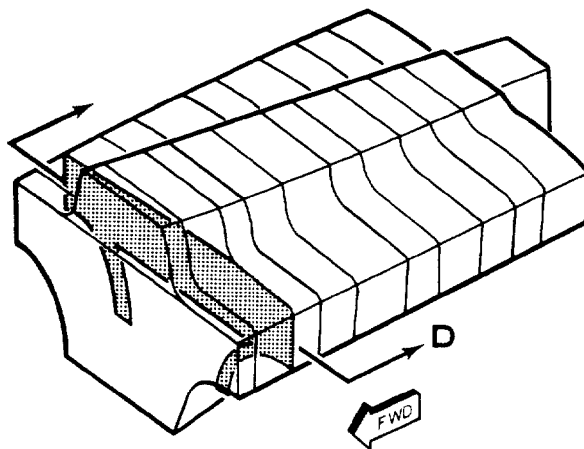


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 4)

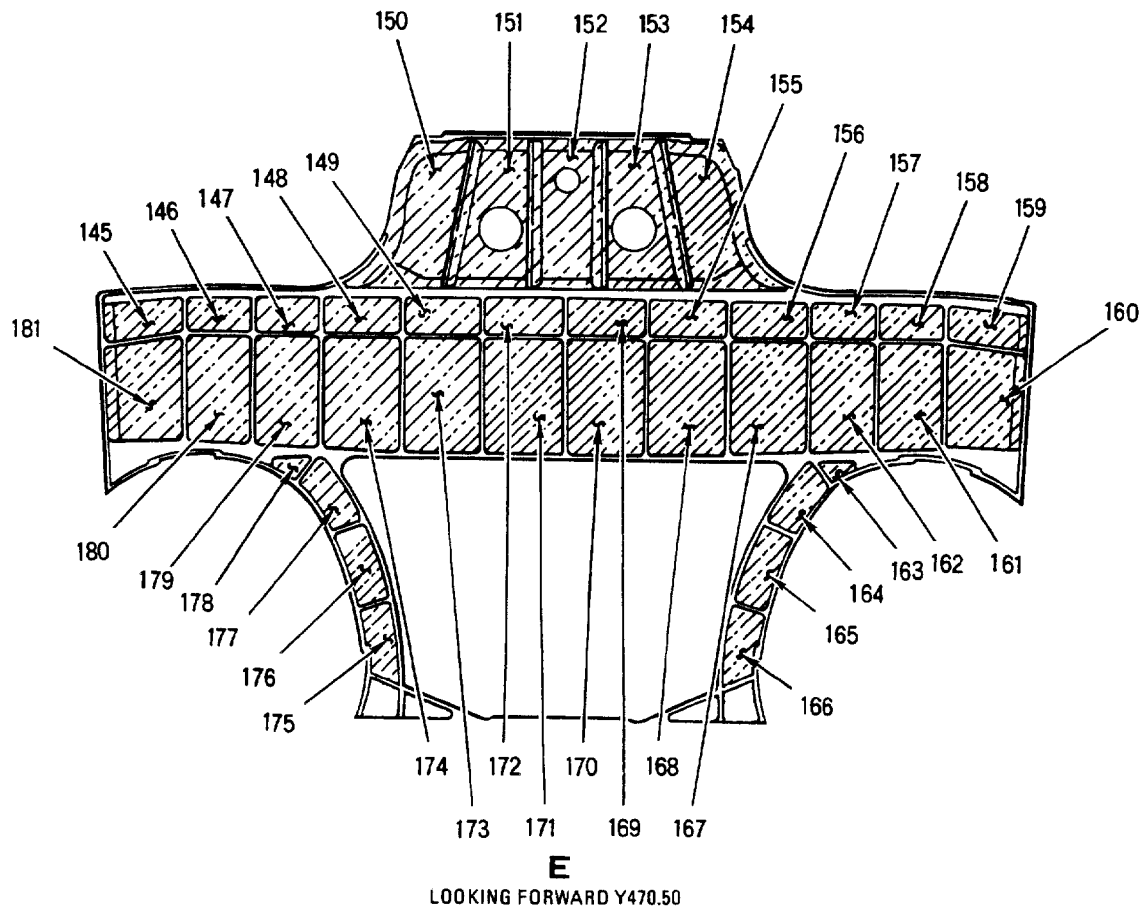
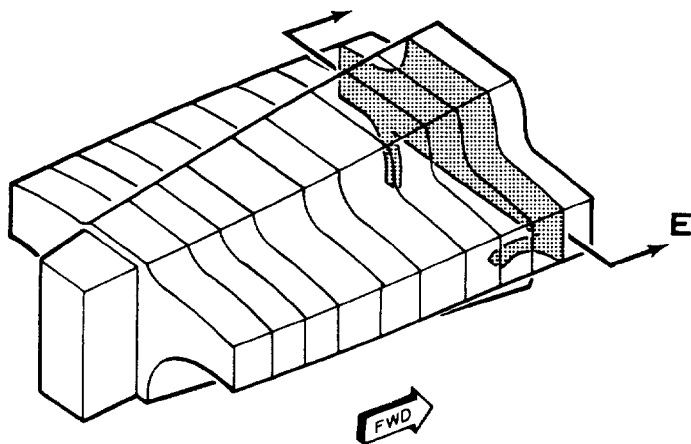


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 5)

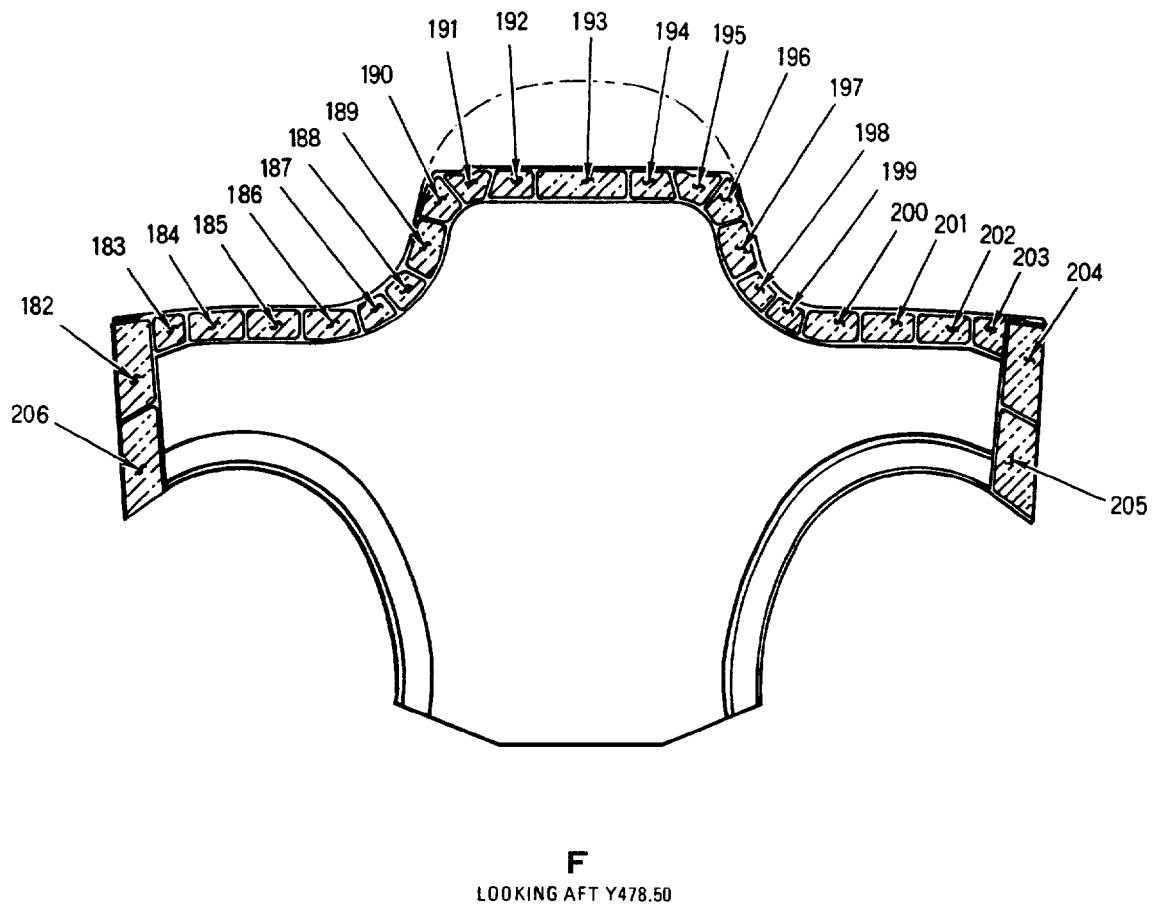
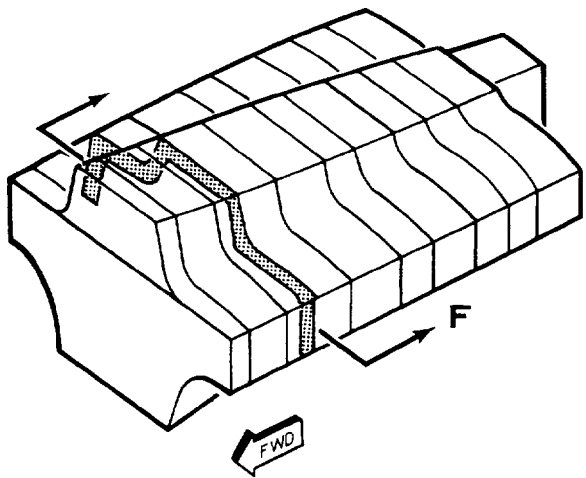


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 6)

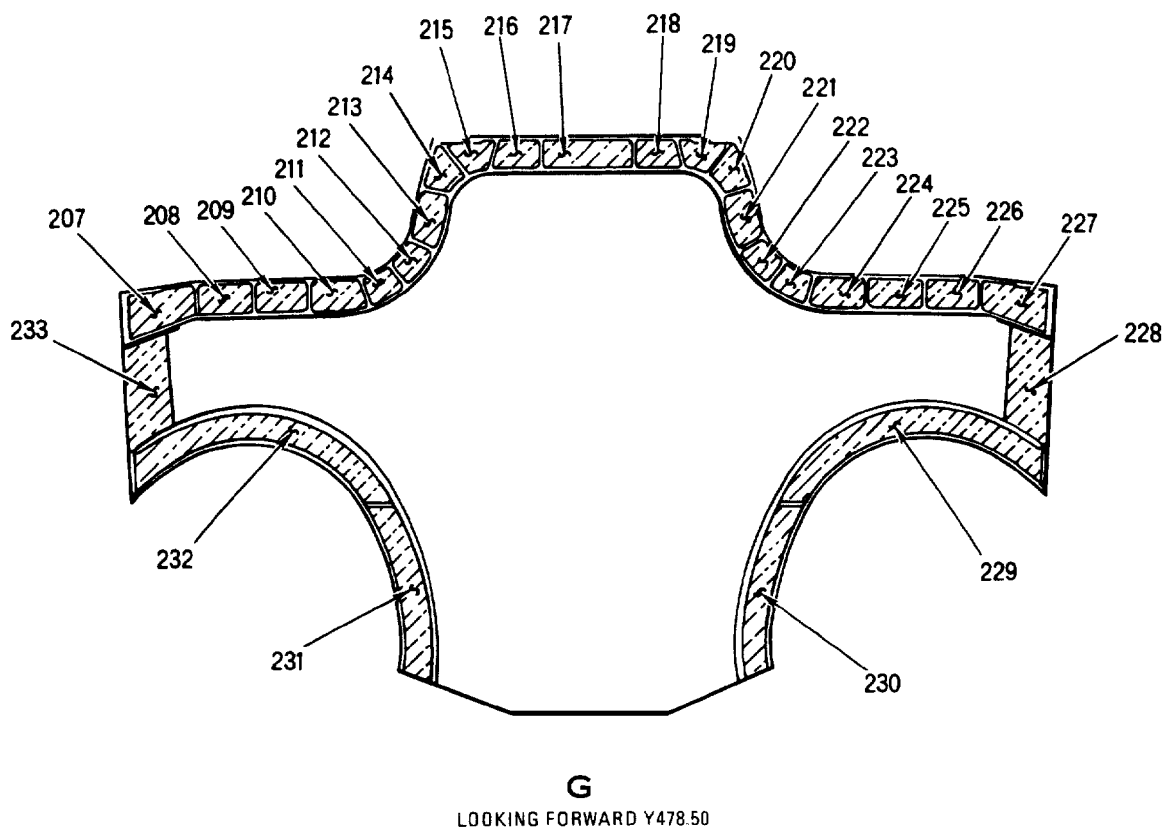
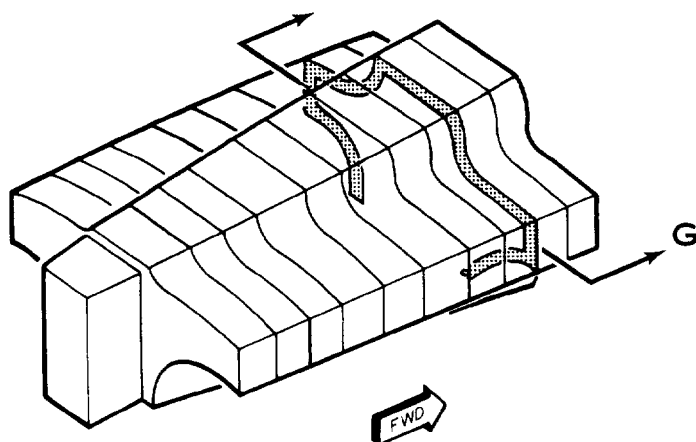


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 7)

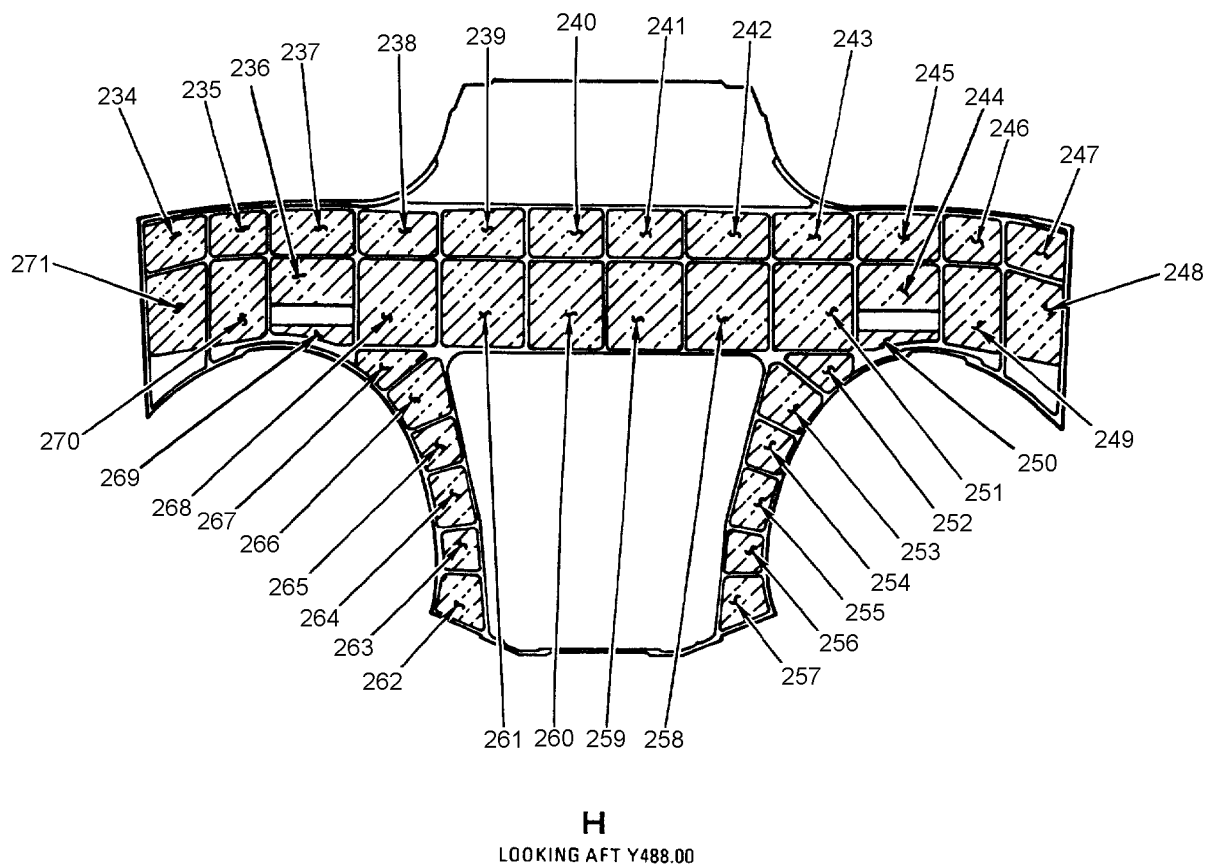
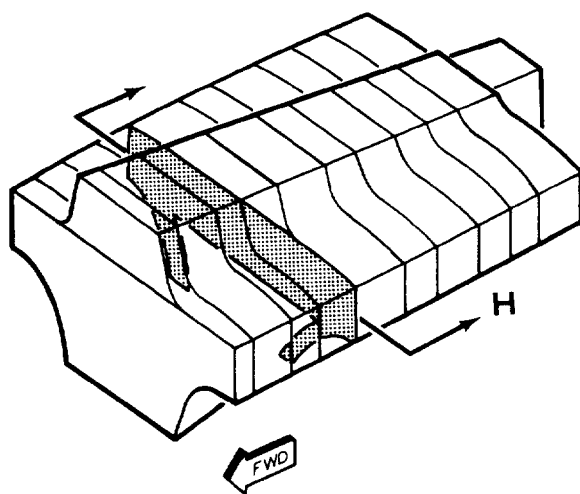


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 8)

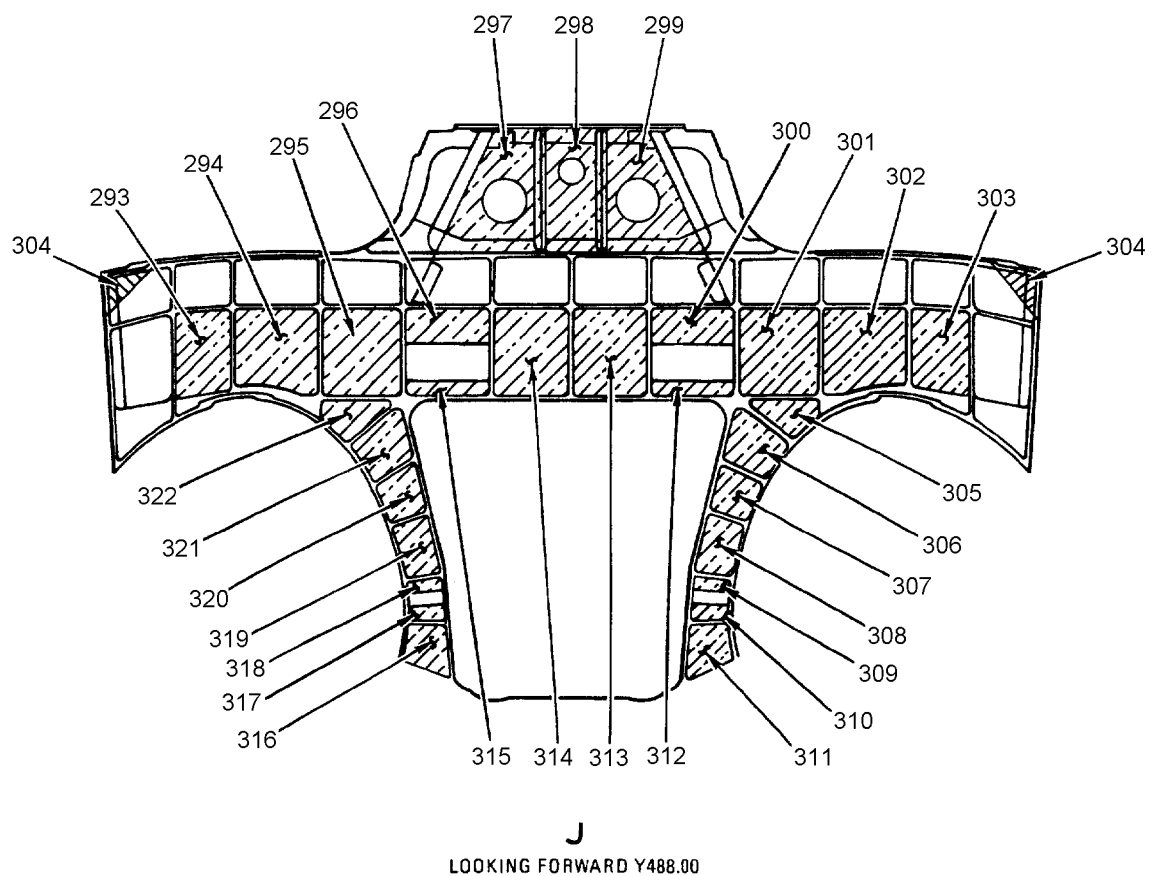
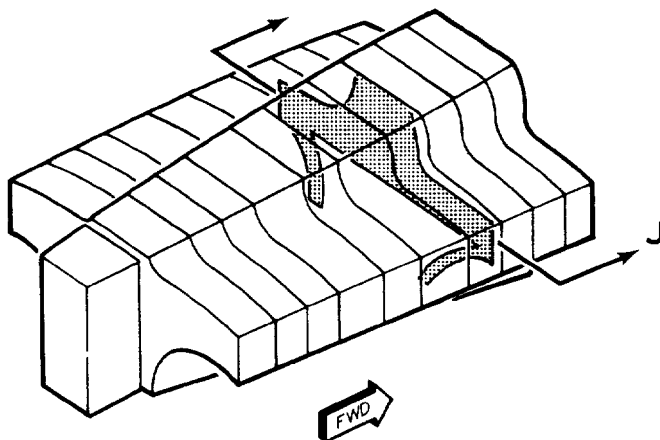
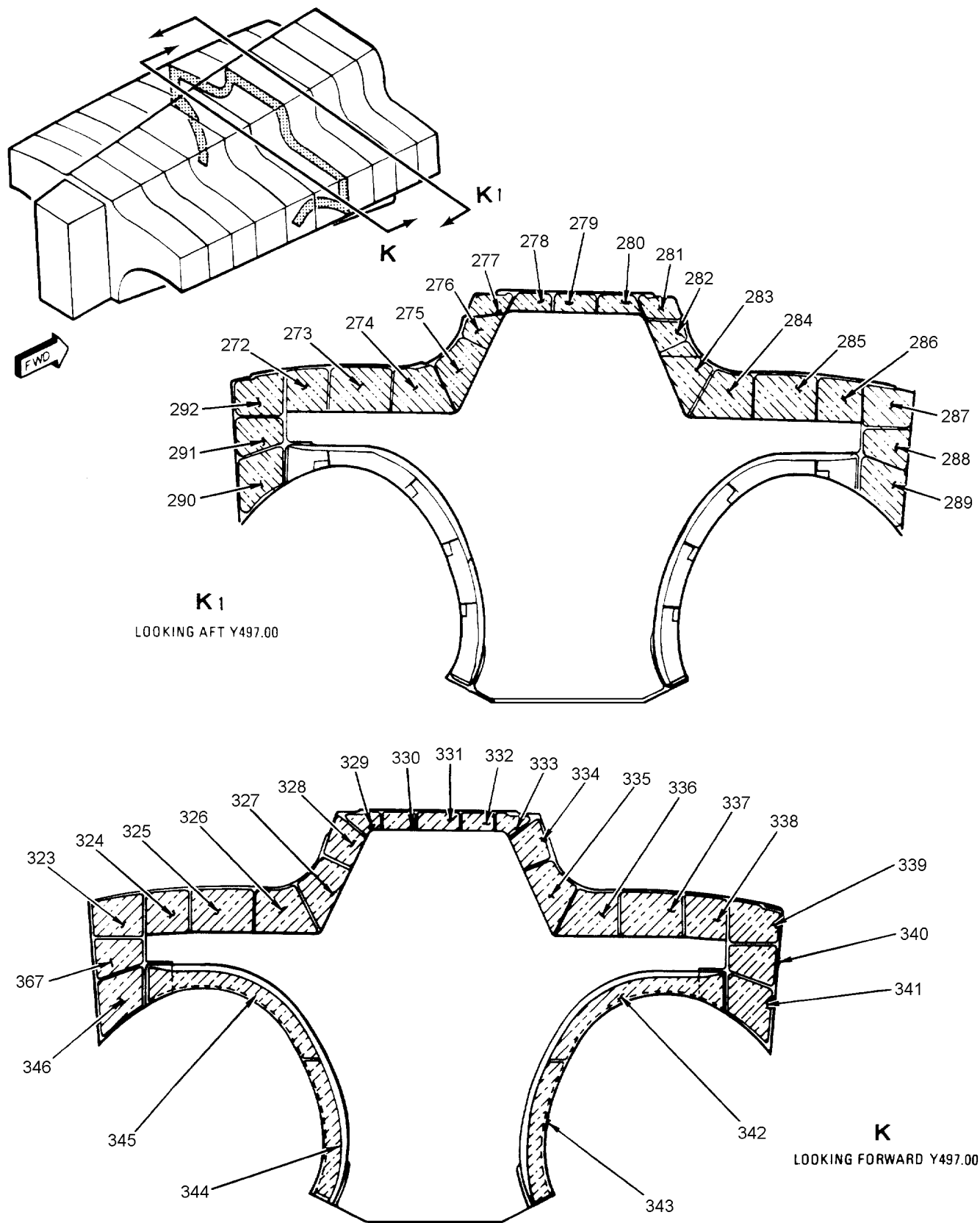
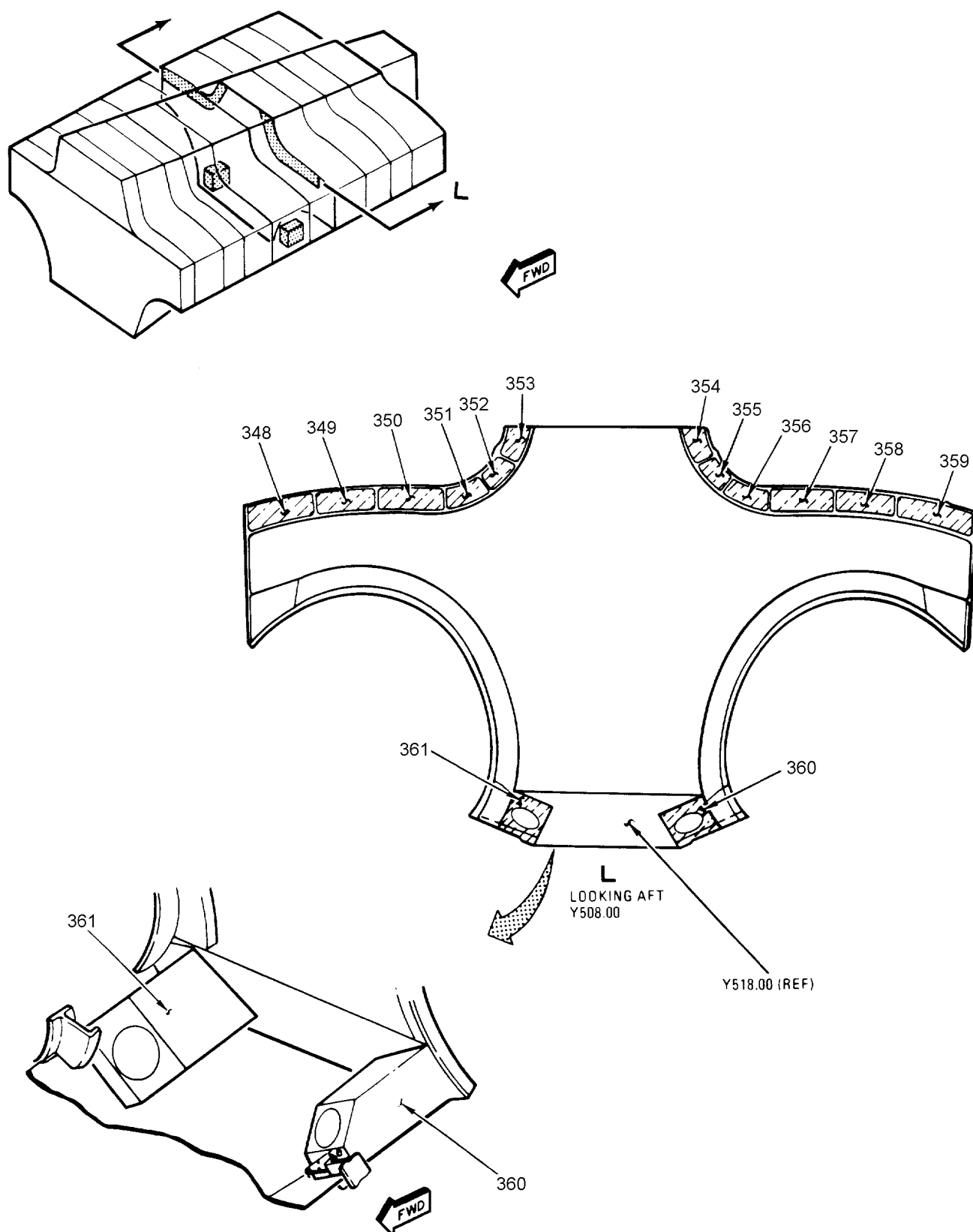


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 9)



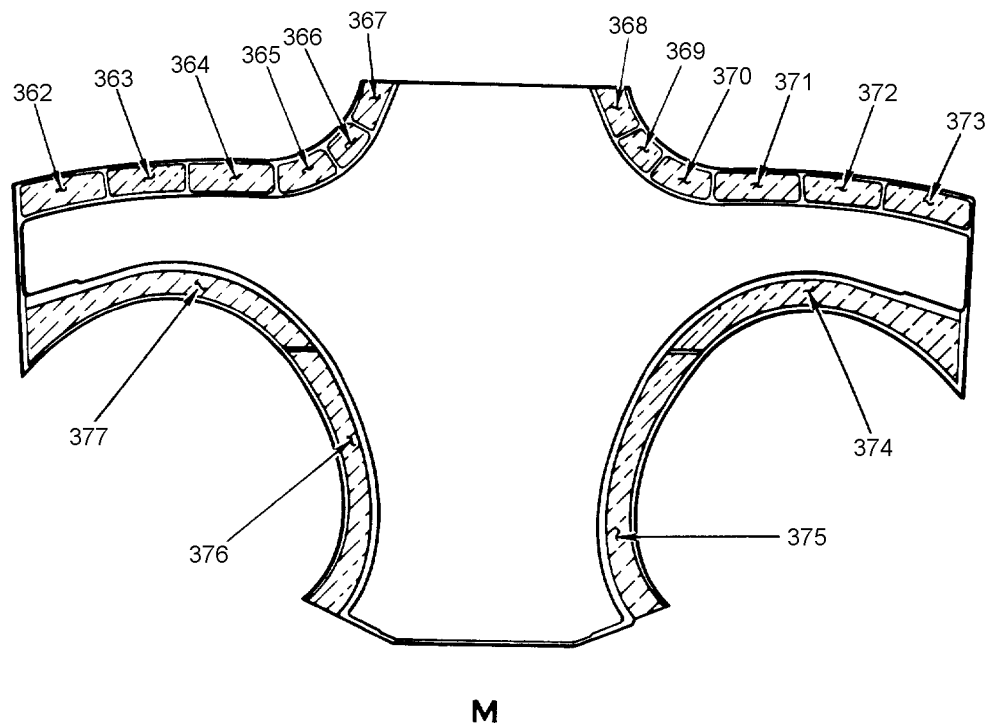
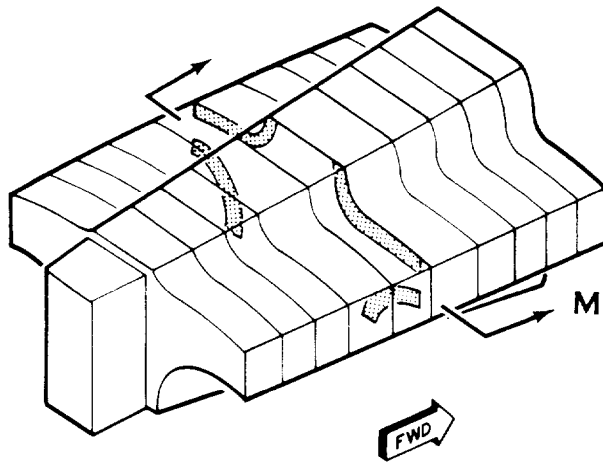
29010110

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 10)



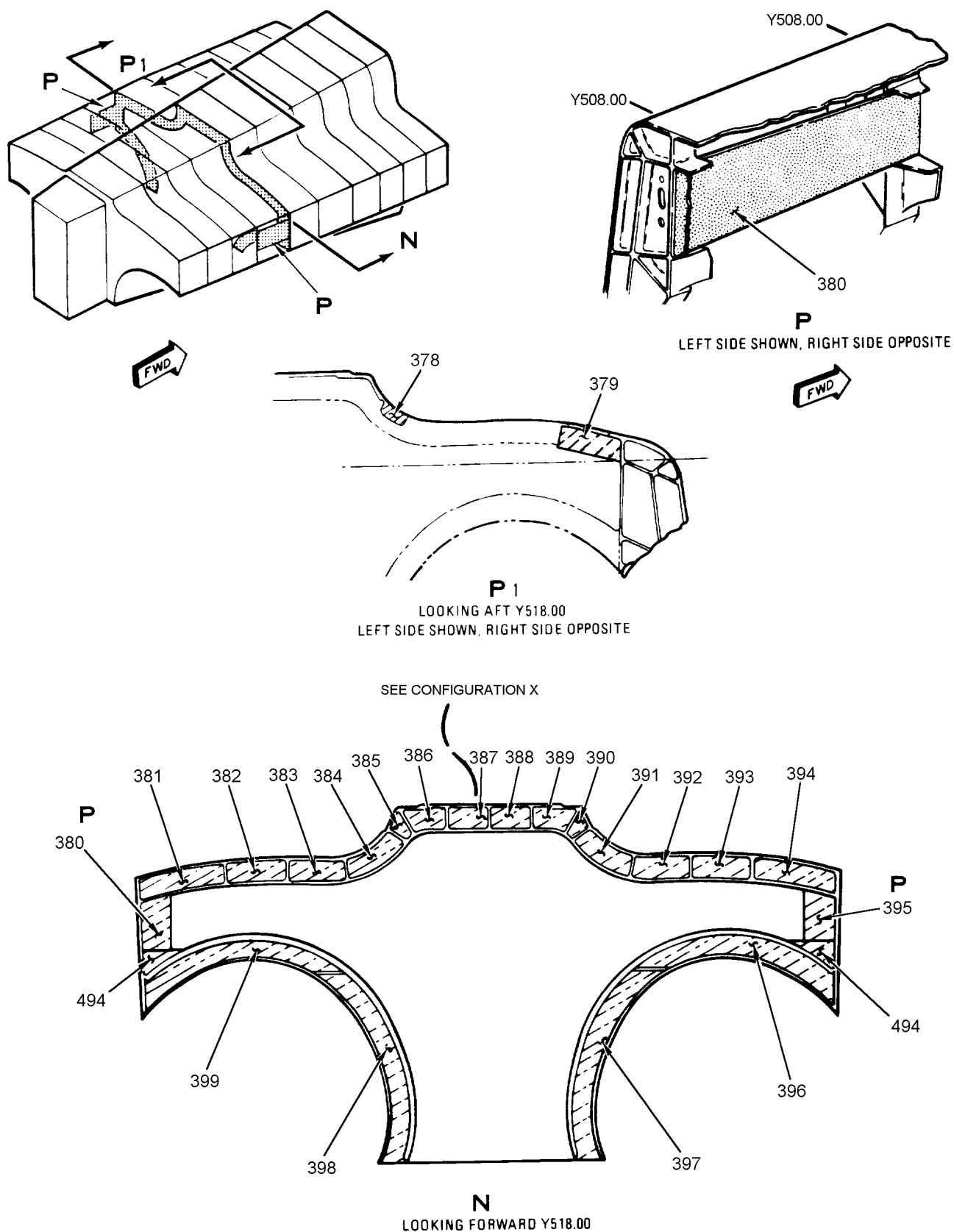
29010111

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 11)



LOOKING FORWARD Y508.00

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 12)



29010113

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 13)

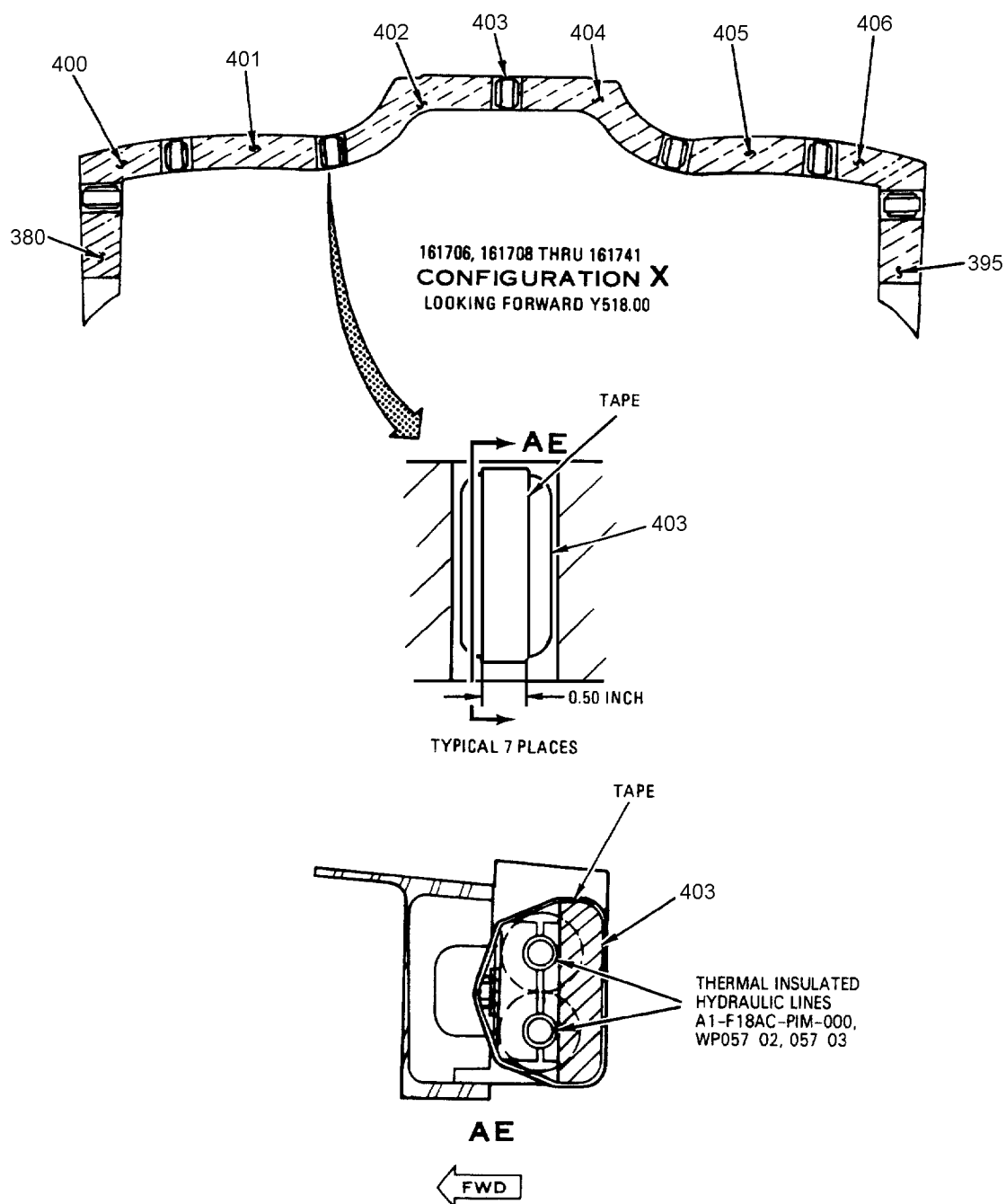


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 14)

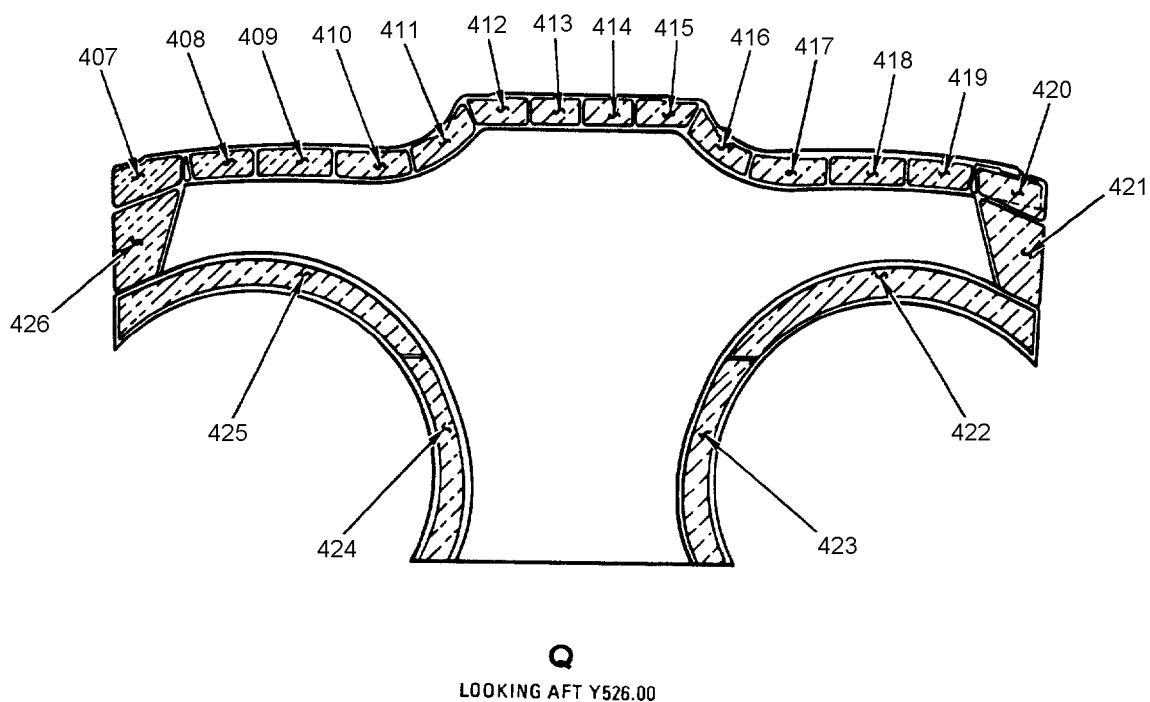
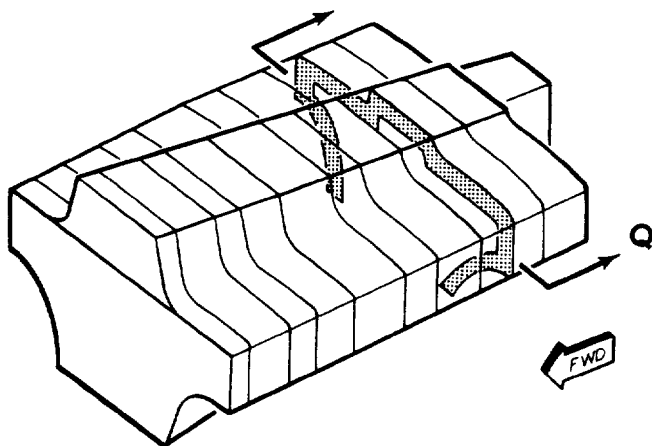
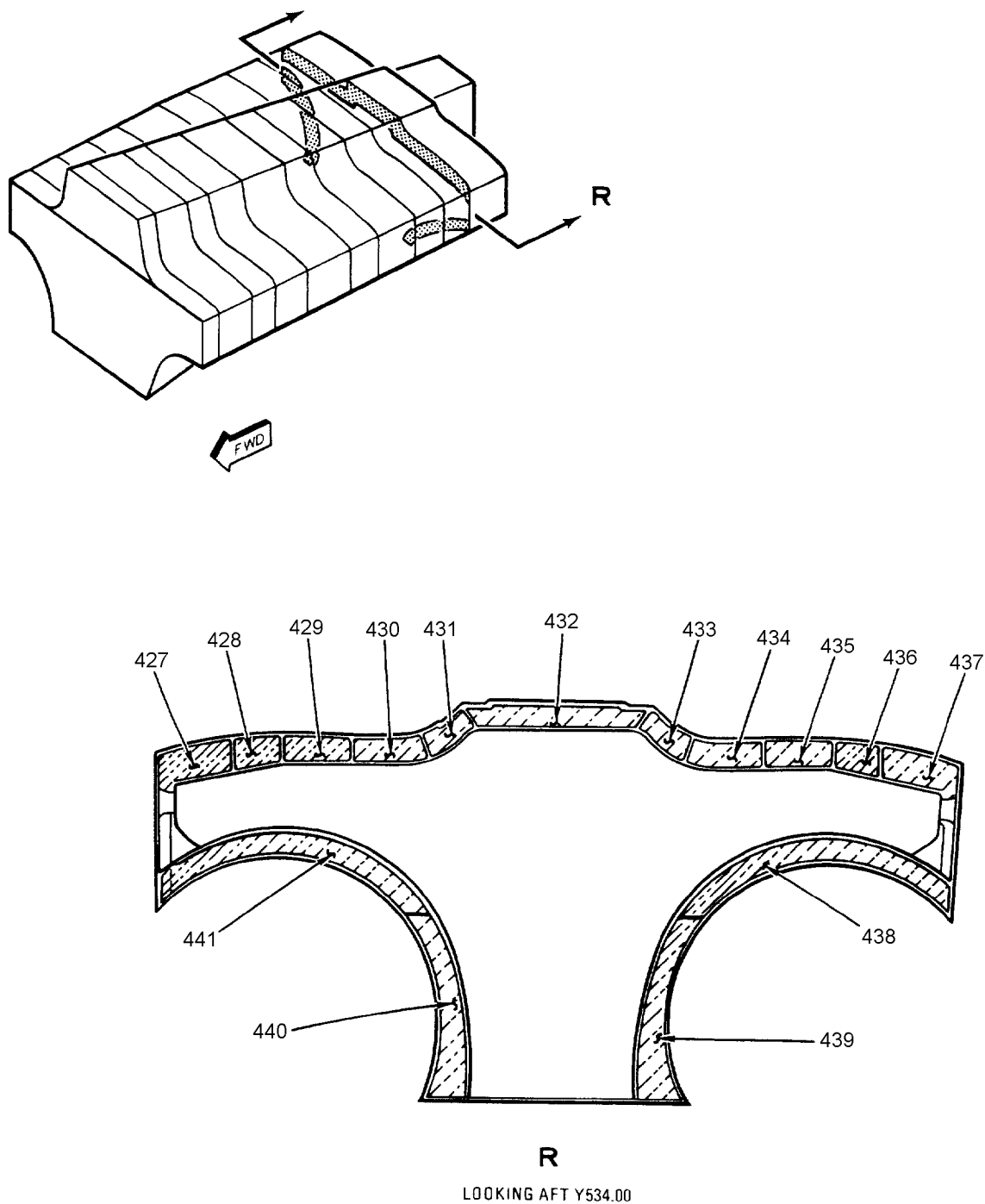
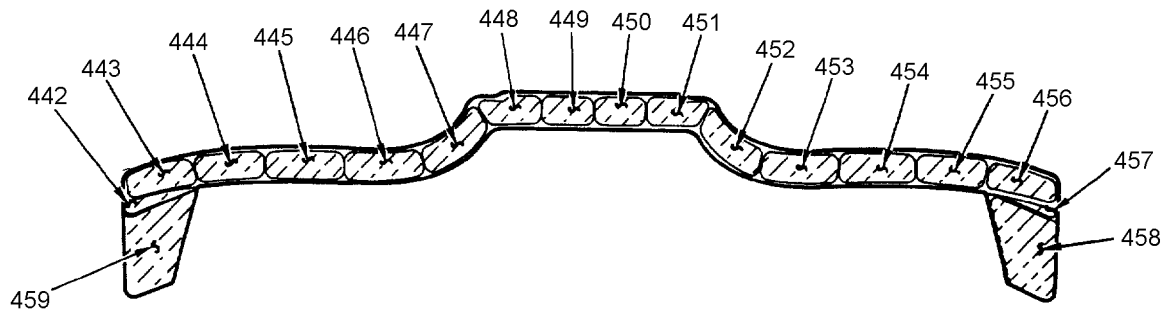


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 15)

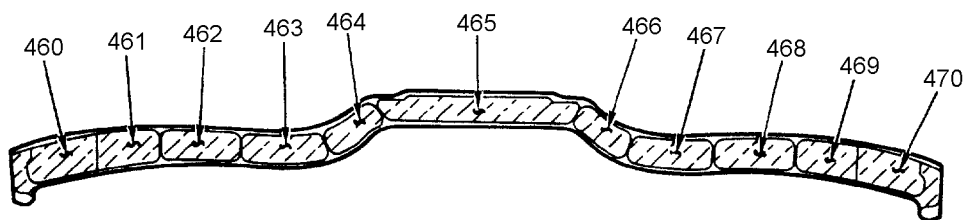
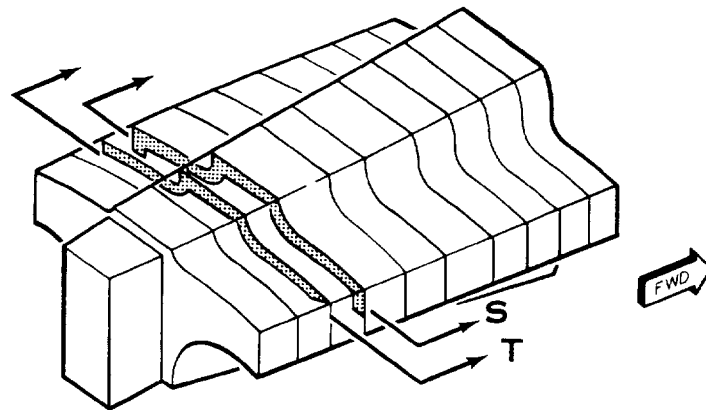


29010116

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 16)



S
LOOKING FORWARD Y526.00



T
LOOKING FORWARD Y534.00

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 17)

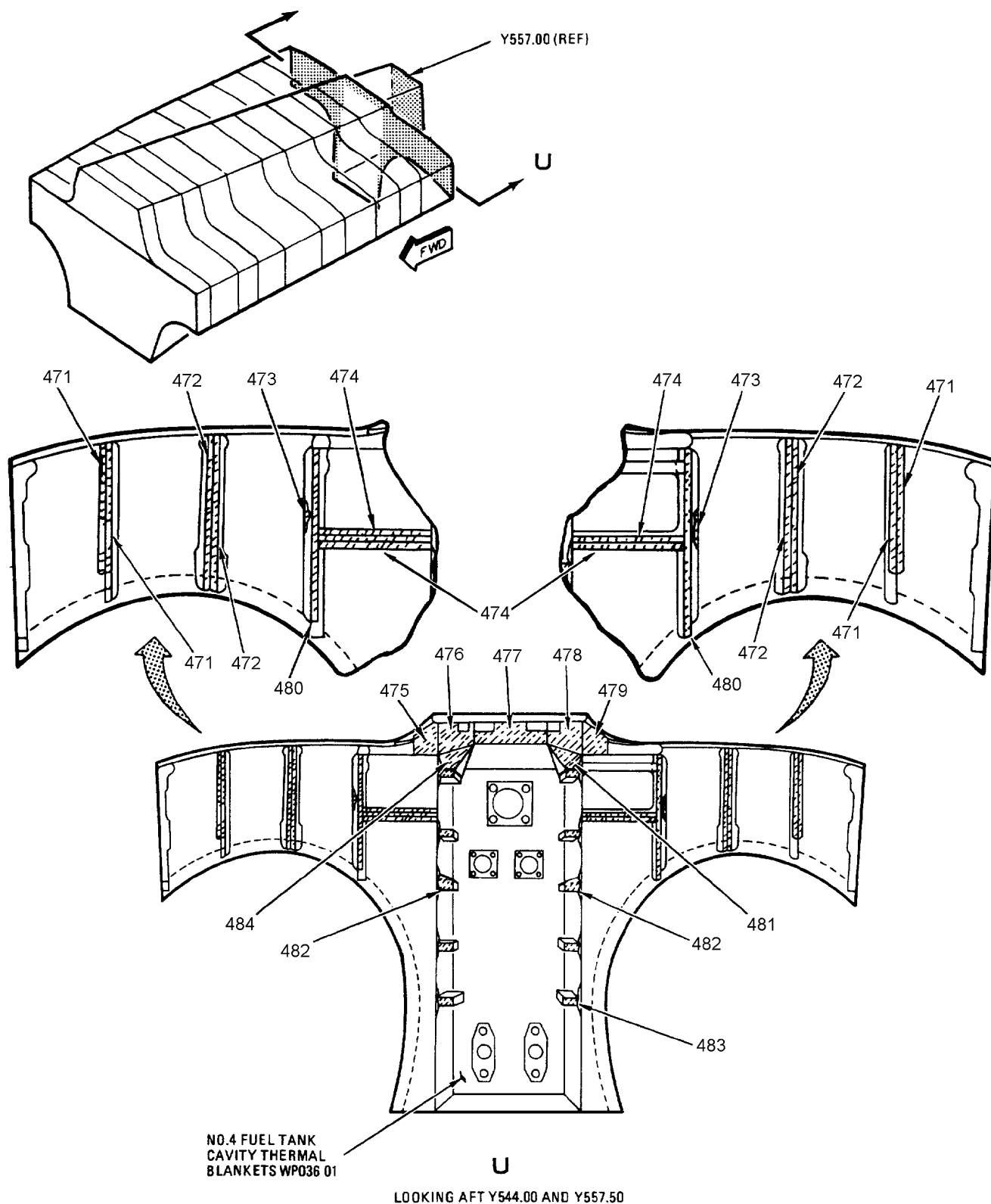
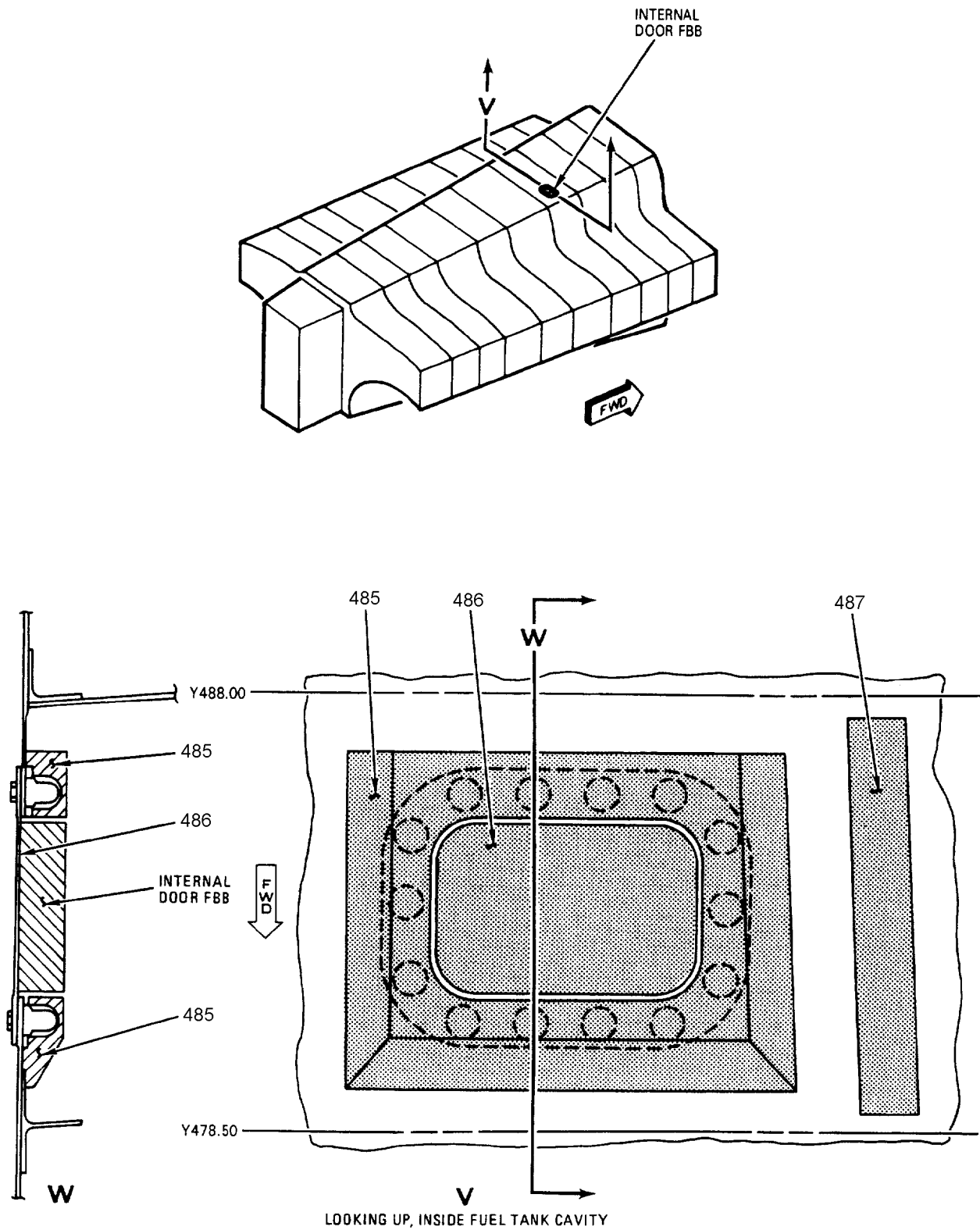
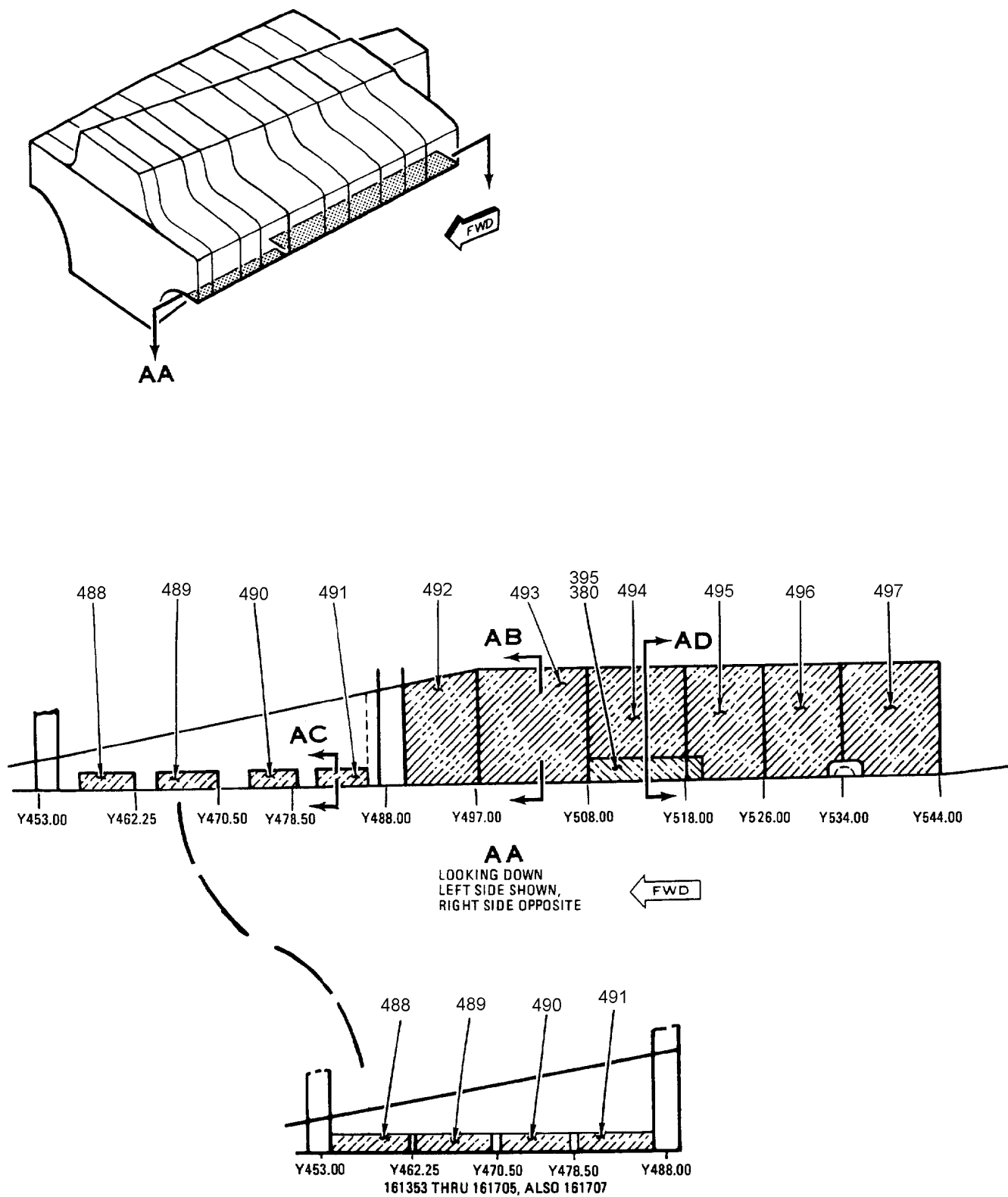


Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 18)



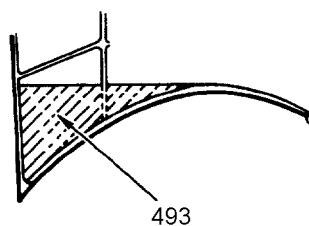
29010119

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 19)

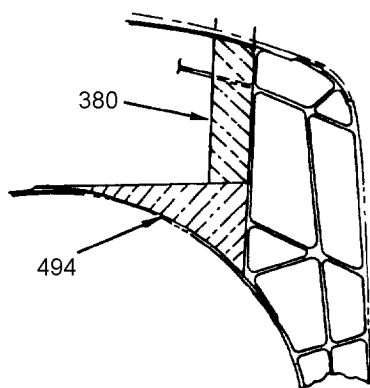


29010120

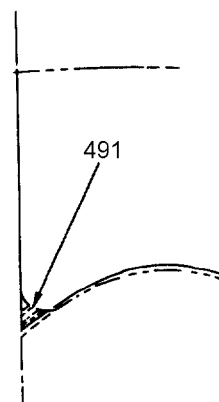
Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 20)



AB
LOOKING FORWARD
TYPICAL Y488.00 THRU Y544.00



AD
LOOKING AFT
TYPICAL Y508.00 THRU Y518.00



AC
LOOKING FORWARD
TYPICAL Y453.00 THRU Y488.00

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 21)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 4 FUEL TANK CAVITY FOAM FILLER -..... 161353 THRU 161741			
1	74A586400-2367 +	. FILLER (FOAM) (76301)	1		MGOZZ
2	74A586400-2935 +	. FILLER (FOAM) (76301)	1		MGOZZ
3	74A586400-2937 +	. FILLER (FOAM) (76301)	1		MGOZZ
4	74A586400-2939 +	. FILLER (FOAM) (76301)	1		MGOZZ
5	74A586400-2359 +	. FILLER (FOAM) (76301)	1		MGOZZ
6	74A586400-2941 +	. FILLER (FOAM) (76301)	1		MGOZZ
7	74A586400-2363 +	. FILLER (FOAM) (76301)	1		MGOZZ
8	74A586400-2361 +	. FILLER (FOAM) (76301)	1		MGOZZ
9	74A586400-2357 +	. FILLER (FOAM) (76301)	1		MGOZZ
10	74A586400-2943 +	. FILLER (FOAM) (76301)	1		MGOZZ
11	74A586400-2345 +	. FILLER (FOAM) (76301)	1		MGOZZ
12	74A586400-2909 +	. FILLER (FOAM) (76301)	1		MGOZZ
13	74A586400-2351 +	. FILLER (FOAM) (76301)	1		MGOZZ
14	74A586400-2347 +	. FILLER (FOAM) (76301)	1		MGOZZ
15	74A586400-2945 +	. FILLER (FOAM) (76301)	1		MGOZZ
16	74A586400-2947 +	. FILLER (FOAM) (76301)	1		MGOZZ
17	74A586400-2949 +	. FILLER (FOAM) (76301)	1		MGOZZ
18	74A586400-2951 +	. FILLER (FOAM) (76301)	1		MGOZZ
19	74A586400-2953 +	. FILLER (FOAM) (76301)	1		MGOZZ
20	74A586400-2343 +	. FILLER (FOAM) (76301)	1		MGOZZ
21	74A586400-2341 +	. FILLER (FOAM) (76301)	1		MGOZZ
22	74A586400-2339 +	. FILLER (FOAM) (76301)	1		MGOZZ
23	74A586400-2337 +	. FILLER (FOAM) (76301)	1		MGOZZ
24	74A586400-2335 +	. FILLER (FOAM) (76301)	1		MGOZZ
25	74A586400-2333 +	. FILLER (FOAM) (76301)	1		MGOZZ
26	74A586400-2327 +	. FILLER (FOAM) (76301)	1		MGOZZ
27	74A586400-2331 +	. FILLER (FOAM) (76301)	1		MGOZZ
28	74A586400-2329 +	. FILLER (FOAM) (76301)	1		MGOZZ
29	74A588400-2325 +	. FILLER (FOAM) (76301)	1		MGOZZ
30	74A586400-2349 +	. FILLER (FOAM) (76301)	1		MGOZZ
31	74A586400-2323 +	. FILLER (FOAM) (76301)	1		MGOZZ
32	74A586400-2321 +	. FILLER (FOAM) (76301)	1		MGOZZ
33	74A586400-2411 +	. FILLER (FOAM) (76301)	1		MGOZZ
34	74A586400-2409 +	. FILLER (FOAM) (76301)	1		MGOZZ
35	74A586400-2405 +	. FILLER (FOAM) (76301)	1		MGOZZ
36	74A586400-2407 +	. FILLER (FOAM) (76301)	1		MGOZZ
37	74A586400-2399 +	. FILLER (FOAM) (76301)	1		MGOZZ
38	74A586400-2383 +	. FILLER (FOAM) (76301)	1		MGOZZ
39	74A586400-2403 +	. FILLER (FOAM) (76301)	1		MGOZZ
40	74A586400-2401 +	. FILLER (FOAM) (76301)	1		MGOZZ
41	74A586400-2397 +	. FILLER (FOAM) (76301)	1		MGOZZ
42	74A586400-2395 +	. FILLER (FOAM) (76301)	1		MGOZZ
43	74A586400-2387 +	. FILLER (FOAM) (76301)	1		MGOZZ
44	74A586400-2393 +	. FILLER (FOAM) (76301)	1		MGOZZ
45	74A586400-2389 +	. FILLER (FOAM) (76301)	1		MGOZZ
46	74A586400-2391 +	. FILLER (FOAM) (76301)	1		MGOZZ
47	74A586400-2915 +	. FILLER (FOAM) (76301)	1		MGOZZ
48	74A586400-2917 +	. FILLER (FOAM) (76301)	1		MGOZZ
49	74A586400-2919 +	. FILLER (FOAM) (76301)	1		MGOZZ
50	74A586400-2921 +	. FILLER (FOAM) (76301)	1		MGOZZ
51	74A586400-2923 +	. FILLER (FOAM) (76301)	1		MGOZZ
52	74A586400-2385 +	. FILLER (FOAM) (76301)	1		MGOZZ
53	74A586400-2381 +	. FILLER (FOAM) (76301)	1		MGOZZ
54	74A586400-2377 +	. FILLER (FOAM) (76301)	1		MGOZZ
55	74A586400-2925 +	. FILLER (FOAM) (76301)	1		MGOZZ
56	74A586400-2375 +	. FILLER (FOAM) (76301)	1		MGOZZ
57	74A586400-2927 +	. FILLER (FOAM) (76301)	1		MGOZZ
58	74A586400-2929 +	. FILLER (FOAM) (76301)	1		MGOZZ
59	74A586400-2931 +	. FILLER (FOAM) (76301)	1		MGOZZ
60	74A586400-2933 +	. FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 22)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
61	74A586400-2567 +	.						FILLER (FOAM) (76301)	1		MGOZZ
62	74A586400-2565 +	.						FILLER (FOAM) (76301)	1		MGOZZ
63	74A586400-2563 +	.						FILLER (FOAM) (76301)	1		MGOZZ
64	74A586400-2561 +	.						FILLER (FOAM) (76301)	1		MGOZZ
65	74A586400-2559 +	.						FILLER (FOAM) (76301)	1		MGOZZ
66	74A586400-2557 +	.						FILLER (FOAM) (76301)	1		MGOZZ
67	74A586400-2555 +	.						FILLER (FOAM) (76301)	1		MGOZZ
68	74A586400-2553 +	.						FILLER (FOAM) (76301)	1		MGOZZ
69	74A586400-2551 +	.						FILLER (FOAM) (76301)	1		MGOZZ
70	74A586400-2549 +	.						FILLER (FOAM) (76301)	1		MGOZZ
71	74A586400-2547 +	.						FILLER (FOAM) (76301)	1		MGOZZ
72	74A586400-2545 +	.						FILLER (FOAM) (76301)	1		MGOZZ
73	74A586400-2543 +	.						FILLER (FOAM) (76301)	1		MGOZZ
74	74A586400-2541 +	.						FILLER (FOAM) (76301)	1		MGOZZ
75	74A586400-2539 +	.						FILLER (FOAM) (76301)	1		MGOZZ
76	74A586400-2537 +	.						FILLER (FOAM) (76301)	1		MGOZZ
77	74A586400-2535 +	.						FILLER (FOAM) (76301)	1		MGOZZ
78	74A586400-2533 +	.						FILLER (FOAM) (76301)	1		MGOZZ
79	74A586400-2531 +	.						FILLER (FOAM) (76301)	1		MGOZZ
80	74A586400-2529 +	.						FILLER (FOAM) (76301)	1		MGOZZ
81	74A586400-2527 +	.						FILLER (FOAM) (76301)	1		MGOZZ
82	74A586400-2525 +	.						FILLER (FOAM) (76301)	1		MGOZZ
83	74A586400-2583 +	.						FILLER (FOAM) (76301)	1		MGOZZ
84	74A586400-2581 +	.						FILLER (FOAM) (76301)	1		MGOZZ
85	74A586400-2579 +	.						FILLER (FOAM) (76301)	1		MGOZZ
86	74A586400-2577 +	.						FILLER (FOAM) (76301)	1		MGOZZ
87	74A586400-2575 +	.						FILLER (FOAM) (76301)	1		MGOZZ
88	74A586400-2573 +	.						FILLER (FOAM) (76301)	1		MGOZZ
89	74A586400-2571 +	.						FILLER (FOAM) (76301)	1		MGOZZ
90	74A586400-2569 +	.						FILLER (FOAM) (76301)	1		MGOZZ
91	74A586400-2171 +	.						FILLER (FOAM) (76301)	1		MGOZZ
92	74A586400-2169 +	.						FILLER (FOAM) (76301)	1		MGOZZ
93	74A586400-2167 +	.						FILLER (FOAM) (76301)	1		MGOZZ
94	74A586400-2165 +	.						FILLER (FOAM) (76301)	1		MGOZZ
95	74A586400-2163 +	.						FILLER (FOAM) (76301)	1		MGOZZ
96	74A586400-2161 +	.						FILLER (FOAM) (76301)	1		MGOZZ
97	74A586400-2159 +	.						FILLER (FOAM) (76301)	1		MGOZZ
98	74A586400-2155 +	.						FILLER (FOAM) (76301)	1		MGOZZ
99	74A586400-2153 +	.						FILLER (FOAM) (76301)	1		MGOZZ
100	74A586400-2151 +	.						FILLER (FOAM) (76301)	1		MGOZZ
101	74A586400-2149 +	.						FILLER (FOAM) (76301)	1		MGOZZ
102	74A586400-2147 +	.						FILLER (FOAM) (76301)	1		MGOZZ
103	74A586400-2145 +	.						FILLER (FOAM) (76301)	1		MGOZZ
104	74A586400-2143 +	.						FILLER (FOAM) (76301)	1		MGOZZ
105	74A586400-2141 +	.						FILLER (FOAM) (76301)	1		MGOZZ
106	74A586400-2139 +	.						FILLER (FOAM) (76301)	1		MGOZZ
107	74A586400-2137 +	.						FILLER (FOAM) (76301)	1		MGOZZ
108	74A586400-2179 +	.						FILLER (FOAM) (76301)	1		MGOZZ
109	74A586400-2157 +	.						FILLER (FOAM) (76301)	1		MGOZZ
110	74A586400-2177 +	.						FILLER (FOAM) (76301)	1		MGOZZ
111	74A586400-2175 +	.						FILLER (FOAM) (76301)	1		MGOZZ
112	74A586400-2173 +	.						FILLER (FOAM) (76301)	1		MGOZZ
113	74A586400-2303 +	.						FILLER (FOAM) (76301)	1		MGOZZ
114	74A586400-2301 +	.						FILLER (FOAM) (76301)	1		MGOZZ
115	74A586400-2299 +	.						FILLER (FOAM) (76301)	1		MGOZZ
116	74A586400-2295 +	.						FILLER (FOAM) (76301)	1		MGOZZ
117	74A586400-2291 +	.						FILLER (FOAM) (76301)	1		MGOZZ
118	74A586400-2287 +	.						FILLER (FOAM) (76301)	1		MGOZZ
119	74A586400-2285 +	.						FILLER (FOAM) (76301)	1		MGOZZ
120	74A586400-2281 +	.						FILLER (FOAM) (76301)	1		MGOZZ
121	74A586400-2279 +	.						FILLER (FOAM) (76301)	1		MGOZZ
122	74A586400-2273 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
123	74A586400-2271 +	.						FILLER (FOAM) (76301)	1		MGOZZ
124	74A586400-2269 +	.						FILLER (FOAM) (76301)	1		MGOZZ
125	74A586400-2267 +	.						FILLER (FOAM) (76301)	1		MGOZZ
126	74A586400-2265 +	.						FILLER (FOAM) (76301)	1		MGOZZ
127	74A586400-2263 +	.						FILLER (FOAM) (76301)	1		MGOZZ
128	74A586400-2261 +	.						FILLER (FOAM) (76301)	1		MGOZZ
129	74A586400-2259 +	.						FILLER (FOAM) (76301)	1		MGOZZ
130	74A586400-2257 +	.						FILLER (FOAM) (76301)	1		MGOZZ
131	74A586400-2907 +	.						FILLER (FOAM) (76301)	1		MGOZZ
132	74A586400-2275 +	.						FILLER (FOAM) (76301)	1		MGOZZ
133	74A586400-2277 +	.						FILLER (FOAM) (76301)	1		MGOZZ
134	74A586400-2283 +	.						FILLER (FOAM) (76301)	1		MGOZZ
135	74A586400-2289 +	.						FILLER (FOAM) (76301)	1		MGOZZ
136	74A586400-2293 +	.						FILLER (FOAM) (76301)	1		MGOZZ
137	74A586400-2297 +	.						FILLER (FOAM) (76301)	1		MGOZZ
138	74A586400-2905 +	.						FILLER (FOAM) (76301)	1		MGOZZ
139	74A586400-2315 +	.						FILLER (FOAM) (76301)	1		MGOZZ
140	74A586400-2313 +	.						FILLER (FOAM) (76301)	1		MGOZZ
141	74A586400-2311 +	.						FILLER (FOAM) (76301)	1		MGOZZ
142	74A586400-2309 +	.						FILLER (FOAM) (76301)	1		MGOZZ
143	74A586400-2307 +	.						FILLER (FOAM) (76301)	1		MGOZZ
144	74A586400-2305 +	.						FILLER (FOAM) (76301)	1		MGOZZ
145	74A586400-2117 +	.						FILLER (FOAM) (76301)	1		MGOZZ
146	74A586400-2119 +	.						FILLER (FOAM) (76301)	1		MGOZZ
147	74A586400-2121 +	.						FILLER (FOAM) (76301)	1		MGOZZ
148	74A586400-2113 +	.						FILLER (FOAM) (76301)	1		MGOZZ
149	74A586400-2109 +	.						FILLER (FOAM) (76301)	1		MGOZZ
150	74A586400-2103 +	.						FILLER (FOAM) (76301)	1		MGOZZ
151	74A586400-2101 +	.						FILLER (FOAM) (76301)	1		MGOZZ
152	74A586400-2099 +	.						FILLER (FOAM) (76301)	1		MGOZZ
153	74A586400-2097 +	.						FILLER (FOAM) (76301)	1		MGOZZ
154	74A586400-2095 +	.						FILLER (FOAM) (76301)	1		MGOZZ
155	74A586400-2089 +	.						FILLER (FOAM) (76301)	1		MGOZZ
156	74A586400-2085 +	.						FILLER (FOAM) (76301)	1		MGOZZ
157	74A586400-2083 +	.						FILLER (FOAM) (76301)	1		MGOZZ
158	74A586400-2079 +	.						FILLER (FOAM) (76301)	1		MGOZZ
159	74A586400-2077 +	.						FILLER (FOAM) (76301)	1		MGOZZ
160	74A586400-2075 +	.						FILLER (FOAM) (76301)	1		MGOZZ
161	74A586400-2073 +	.						FILLER (FOAM) (76301)	1		MGOZZ
162	74A586400-2071 +	.						FILLER (FOAM) (76301)	1		MGOZZ
163	74A586400-2069 +	.						FILLER (FOAM) (76301)	1		MGOZZ
164	74A586400-2067 +	.						FILLER (FOAM) (76301)	1		MGOZZ
165	74A586400-2065 +	.						FILLER (FOAM) (76301)	1		MGOZZ
166	74A586400-2063 +	.						FILLER (FOAM) (76301)	1		MGOZZ
167	74A586400-2081 +	.						FILLER (FOAM) (76301)	1		MGOZZ
168	74A586400-2087 +	.						FILLER (FOAM) (76301)	1		MGOZZ
169	74A586400-2093 +	.						FILLER (FOAM) (76301)	1		MGOZZ
170	74A586400-2091 +	.						FILLER (FOAM) (76301)	1		MGOZZ
171	74A586400-2107 +	.						FILLER (FOAM) (76301)	1		MGOZZ
172	74A586400-2105 +	.						FILLER (FOAM) (76301)	1		MGOZZ
173	74A586400-2111 +	.						FILLER (FOAM) (76301)	1		MGOZZ
174	74A586400-2115 +	.						FILLER (FOAM) (76301)	1		MGOZZ
175	74A586400-2135 +	.						FILLER (FOAM) (76301)	1		MGOZZ
176	74A586400-2133 +	.						FILLER (FOAM) (76301)	1		MGOZZ
177	74A586400-2131 +	.						FILLER (FOAM) (76301)	1		MGOZZ
178	74A586400-2129 +	.						FILLER (FOAM) (76301)	1		MGOZZ
179	74A586400-2127 +	.						FILLER (FOAM) (76301)	1		MGOZZ
180	74A586400-2125 +	.						FILLER (FOAM) (76301)	1		MGOZZ
181	74A586400-2123 +	.						FILLER (FOAM) (76301)	1		MGOZZ
182	74A586400-2897 +	.						FILLER (FOAM) (76301)	1		MGOZZ
183	74A586400-2517 +	.						FILLER (FOAM) (76301)	1		MGOZZ
184	74A586400-2515 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 24)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
185	74A586400-2513 +	.						FILLER (FOAM) (76301)	1		MGOZZ
186	74A586400-2511 +	.						FILLER (FOAM) (76301)	1		MGOZZ
187	74A586400-2509 +	.						FILLER (FOAM) (76301)	1		MGOZZ
188	74A586400-2507 +	.						FILLER (FOAM) (76301)	1		MGOZZ
189	74A586400-2505 +	.						FILLER (FOAM) (76301)	1		MGOZZ
190	74A586400-2503 +	.						FILLER (FOAM) (76301)	1		MGOZZ
191	74A586400-2501 +	.						FILLER (FOAM) (76301)	1		MGOZZ
192	74A586400-2499 +	.						FILLER (FOAM) (76301)	1		MGOZZ
193	74A586400-2497 +	.						FILLER (FOAM) (76301)	1		MGOZZ
194	74A586400-2495 +	.						FILLER (FOAM) (76301)	1		MGOZZ
195	74A586400-2493 +	.						FILLER (FOAM) (76301)	1		MGOZZ
196	74A586400-2491 +	.						FILLER (FOAM) (76301)	1		MGOZZ
197	74A586400-2489 +	.						FILLER (FOAM) (76301)	1		MGOZZ
198	74A586400-2487 +	.						FILLER (FOAM) (76301)	1		MGOZZ
199	74A586400-2485 +	.						FILLER (FOAM) (76301)	1		MGOZZ
200	74A586400-2483 +	.						FILLER (FOAM) (76301)	1		MGOZZ
201	74A586400-2481 +	.						FILLER (FOAM) (76301)	1		MGOZZ
202	74A586400-2479 +	.						FILLER (FOAM) (76301)	1		MGOZZ
203	74A586400-2477 +	.						FILLER (FOAM) (76301)	1		MGOZZ
204	74A586400-2899 +	.						FILLER (FOAM) (76301)	1		MGOZZ
205	74A586400-2903 +	.						FILLER (FOAM) (76301)	1		MGOZZ
206	74A586400-2901 +	.						FILLER (FOAM) (76301)	1		MGOZZ
207	74A586400-2459 +	.						FILLER (FOAM) (76301)	1		MGOZZ
208	74A586400-2461 +	.						FILLER (FOAM) (76301)	1		MGOZZ
209	74A586400-2457 +	.						FILLER (FOAM) (76301)	1		MGOZZ
210	74A586400-2455 +	.						FILLER (FOAM) (76301)	1		MGOZZ
211	74A586400-2453 +	.						FILLER (FOAM) (76301)	1		MGOZZ
212	74A586400-2451 +	.						FILLER (FOAM) (76301)	1		MGOZZ
213	74A586400-2449 +	.						FILLER (FOAM) (76301)	1		MGOZZ
214	74A586400-2447 +	.						FILLER (FOAM) (76301)	1		MGOZZ
215	74A586400-2445 +	.						FILLER (FOAM) (76301)	1		MGOZZ
216	74A586400-2443 +	.						FILLER (FOAM) (76301)	1		MGOZZ
217	74A586400-2441 +	.						FILLER (FOAM) (76301)	1		MGOZZ
218	74A586400-2437 +	.						FILLER (FOAM) (76301)	1		MGOZZ
219	74A586400-2435 +	.						FILLER (FOAM) (76301)	1		MGOZZ
220	74A586400-2433 +	.						FILLER (FOAM) (76301)	1		MGOZZ
221	74A586400-2431 +	.						FILLER (FOAM) (76301)	1		MGOZZ
222	74A586400-2429 +	.						FILLER (FOAM) (76301)	1		MGOZZ
223	74A586400-2427 +	.						FILLER (FOAM) (76301)	1		MGOZZ
224	74A586400-2425 +	.						FILLER (FOAM) (76301)	1		MGOZZ
225	74A586400-2423 +	.						FILLER (FOAM) (76301)	1		MGOZZ
226	74A586400-2421 +	.						FILLER (FOAM) (76301)	1		MGOZZ
227	74A586400-2419 +	.						FILLER (FOAM) (76301)	1		MGOZZ
228	74A586400-2417 +	.						FILLER (FOAM) (76301)	1		MGOZZ
229	74A586400-2415 +	.						FILLER (FOAM) (76301)	1		MGOZZ
230	74A586400-2413 +	.						FILLER (FOAM) (76301)	1		MGOZZ
231	74A586400-2467 +	.						FILLER (FOAM) (76301)	1		MGOZZ
232	74A586400-2465 +	.						FILLER (FOAM) (76301)	1		MGOZZ
233	74A586400-2463 +	.						FILLER (FOAM) (76301)	1		MGOZZ
234	74A586400-2235 +	.						FILLER (FOAM) (76301)	1		MGOZZ
235	74A586400-2231 +	.						FILLER (FOAM) (76301)	1		MGOZZ
236	74A586400-2233 +	.						FILLER (FOAM) (76301)	1		MGOZZ
237	74A586400-2229 +	.						FILLER (FOAM) (76301)	1		MGOZZ
238	74A586400-2225 +	.						FILLER (FOAM) (76301)	1		MGOZZ
239	74A586400-2221 +	.						FILLER (FOAM) (76301)	1		MGOZZ
240	74A586400-2217 +	.						FILLER (FOAM) (76301)	1		MGOZZ
241	74A586400-2215 +	.						FILLER (FOAM) (76301)	1		MGOZZ
242	74A586400-2211 +	.						FILLER (FOAM) (76301)	1		MGOZZ
243	74A586400-2207 +	.						FILLER (FOAM) (76301)	1		MGOZZ
244	74A586400-2193 +	.						FILLER (FOAM) (76301)	1		MGOZZ
245	74A586400-2203 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 25)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
246	74A586400-2201 +	.						FILLER (FOAM) (76301)	1		MGOZZ
247	74A586400-2199 +	.						FILLER (FOAM) (76301)	1		MGOZZ
248	74A586400-2237 +	.						FILLER (FOAM) (76301)	1		MGOZZ
249	74A586400-2195 +	.						FILLER (FOAM) (76301)	1		MGOZZ
250	74A586400-3367 +	.						FILLER (FOAM) (76301)	1		MGOZZ
251	74A586400-2205 +	.						FILLER (FOAM) (76301)	1		MGOZZ
252	74A586400-2191 +	.						FILLER (FOAM) (76301)	1		MGOZZ
253	74A586400-2189 +	.						FILLER (FOAM) (76301)	1		MGOZZ
254	74A586400-2187 +	.						FILLER (FOAM) (76301)	1		MGOZZ
255	74A586400-2185 +	.						FILLER (FOAM) (76301)	1		MGOZZ
256	74A586400-2183 +	.						FILLER (FOAM) (76301)	1		MGOZZ
257	74A586400-2181 +	.						FILLER (FOAM) (76301)	1		MGOZZ
258	74A586400-2209 +	.						FILLER (FOAM) (76301)	1		MGOZZ
259	74A586400-2213 +	.						FILLER (FOAM) (76301)	1		MGOZZ
260	74A586400-2219 +	.						FILLER (FOAM) (76301)	1		MGOZZ
261	74A586400-2223 +	.						FILLER (FOAM) (76301)	1		MGOZZ
262	74A586400-2251 +	.						FILLER (FOAM) (76301)	1		MGOZZ
263	74A586400-2249 +	.						FILLER (FOAM) (76301)	1		MGOZZ
264	74A586400-2247 +	.						FILLER (FOAM) (76301)	1		MGOZZ
265	74A586400-2245 +	.						FILLER (FOAM) (76301)	1		MGOZZ
266	74A586400-2243 +	.						FILLER (FOAM) (76301)	1		MGOZZ
267	74A586400-2241 +	.						FILLER (FOAM) (76301)	1		MGOZZ
268	74A586400-2227 +	.						FILLER (FOAM) (76301)	1		MGOZZ
269	74A586400-3365 +	.						FILLER (FOAM) (76301)	1		MGOZZ
270	74A586400-2239 +	.						FILLER (FOAM) (76301)	1		MGOZZ
271	74A586400-2197 +	.						FILLER (FOAM) (76301)	1		MGOZZ
272	74A586400-3318 +	.						FILLER (FOAM) (76301)	1		MGOZZ
273	74A586400-3320 +	.						FILLER (FOAM) (76301)	1		MGOZZ
274	74A586400-3322 +	.						FILLER (FOAM) (76301)	1		MGOZZ
275	74A586400-3324 +	.						FILLER (FOAM) (76301)	1		MGOZZ
276	74A586400-3326 +	.						FILLER (FOAM) (76301)	1		MGOZZ
277	74A586400-3342 +	.						FILLER (FOAM) (76301)	1		MGOZZ
278	74A586400-3328 +	.						FILLER (FOAM) (76301)	1		MGOZZ
279	74A586400-3329 +	.						FILLER (FOAM) (76301)	1		MGOZZ
280	74A586400-3327 +	.						FILLER (FOAM) (76301)	1		MGOZZ
281	74A586400-3341 +	.						FILLER (FOAM) (76301)	1		MGOZZ
282	74A586400-3325 +	.						FILLER (FOAM) (76301)	1		MGOZZ
283	74A586400-3323 +	.						FILLER (FOAM) (76301)	1		MGOZZ
284	74A586400-3321 +	.						FILLER (FOAM) (76301)	1		MGOZZ
285	74A586400-3319 +	.						FILLER (FOAM) (76301)	1		MGOZZ
286	74A586400-3317 +	.						FILLER (FOAM) (76301)	1		MGOZZ
287	74A586400-2625 +	.						FILLER (FOAM) (76301)	1		MGOZZ
288	74A586400-2627 +	.						FILLER (FOAM) (76301)	1		MGOZZ
289	74A586400-2629 +	.						FILLER (FOAM) (76301)	1		MGOZZ
290	74A586400-2589 +	.						FILLER (FOAM) (76301)	1		MGOZZ
291	74A586400-2591 +	.						FILLER (FOAM) (76301)	1		MGOZZ
292	74A586400-2593 +	.						FILLER (FOAM) (76301)	1		MGOZZ
293	74A586400-2047 +	.						FILLER (FOAM) (76301)	1		MGOZZ
294	74A586400-2045 +	.						FILLER (FOAM) (76301)	1		MGOZZ
295	74A586400-2043 +	.						FILLER (FOAM) (76301)	1		MGOZZ
296	74A586400-2037 +	.						FILLER (FOAM) (76301)	1		MGOZZ
297	74A586400-2033 +	.						FILLER (FOAM) (76301)	1		MGOZZ
298	74A586400-2031 +	.						FILLER (FOAM) (76301)	1		MGOZZ
299	74A586400-2001 +	.						FILLER (FOAM) (76301)	1		MGOZZ
300	74A586400-2005 +	.						FILLER (FOAM) (76301)	1		MGOZZ
301	74A586400-2011 +	.						FILLER (FOAM) (76301)	1		MGOZZ
302	74A586400-2013 +	.						FILLER (FOAM) (76301)	1		MGOZZ
303	74A586400-2015 +	.						FILLER (FOAM) (76301)	1		MGOZZ
304	74A586400-2997 +	.						FILLER (FOAM) (76301)	2		MGOZZ
305	74A586400-2019 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 26)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
306	74A586400-2021 +	.						FILLER (FOAM) (76301)	1		MGOZZ
307	74A586400-2023 +	.						FILLER (FOAM) (76301)	1		MGOZZ
308	74A586400-2025 +	.						FILLER (FOAM) (76301)	1		MGOZZ
309	74A586400-2003 +	.						FILLER (FOAM) (76301)	1		MGOZZ
310	74A586400-2027 +	.						FILLER (FOAM) (76301)	1		MGOZZ
311	74A586400-2029 +	.						FILLER (FOAM) (76301)	1		MGOZZ
312	74A586400-2009 +	.						FILLER (FOAM) (76301)	1		MGOZZ
313	74A586400-2007 +	.						FILLER (FOAM) (76301)	1		MGOZZ
314	74A586400-2039 +	.						FILLER (FOAM) (76301)	1		MGOZZ
315	74A586400-2041 +	.						FILLER (FOAM) (76301)	1		MGOZZ
316	74A586400-2061 +	.						FILLER (FOAM) (76301)	1		MGOZZ
317	74A586400-2035 +	.						FILLER (FOAM) (76301)	1		MGOZZ
318	74A586400-2059 +	.						FILLER (FOAM) (76301)	1		MGOZZ
319	74A586400-2057 +	.						FILLER (FOAM) (76301)	1		MGOZZ
320	74A586400-2055 +	.						FILLER (FOAM) (76301)	1		MGOZZ
321	74A586400-2053 +	.						FILLER (FOAM) (76301)	1		MGOZZ
322	74A586400-2051 +	.						FILLER (FOAM) (76301)	1		MGOZZ
323	74A586400-2625 +	.						FILLER (FOAM) (76301)	1		MGOZZ
324	74A586400-2623 +	.						FILLER (FOAM) (76301)	1		MGOZZ
325	74A586400-2621 +	.						FILLER (FOAM) (76301)	1		MGOZZ
326	74A586400-2619 +	.						FILLER (FOAM) (76301)	1		MGOZZ
327	74A586400-2617 +	.						FILLER (FOAM) (76301)	1		MGOZZ
328	74A586400-2615 +	.						FILLER (FOAM) (76301)	1		MGOZZ
329	74A586400-2613 +	.						FILLER (FOAM) (76301)	1		MGOZZ
330	74A586400-2611 +	.						FILLER (FOAM) (76301)	1		MGOZZ
331	74A586400-2609 +	.						FILLER (FOAM) (76301)	1		MGOZZ
332	74A586400-2607 +	.						FILLER (FOAM) (76301)	1		MGOZZ
333	74A586400-2605 +	.						FILLER (FOAM) (76301)	1		MGOZZ
334	74A586400-2603 +	.						FILLER (FOAM) (76301)	1		MGOZZ
335	74A586400-2601 +	.						FILLER (FOAM) (76301)	1		MGOZZ
336	74A586400-2599 +	.						FILLER (FOAM) (76301)	1		MGOZZ
337	74A586400-2597 +	.						FILLER (FOAM) (76301)	1		MGOZZ
338	74A586400-2595 +	.						FILLER (FOAM) (76301)	1		MGOZZ
339	74A586400-2593 +	.						FILLER (FOAM) (76301)	1		MGOZZ
340	74A586400-2591 +	.						FILLER (FOAM) (76301)	1		MGOZZ
341	74A586400-2589 +	.						FILLER (FOAM) (76301)	1		MGOZZ
342	74A586400-2587 +	.						FILLER (FOAM) (76301)	1		MGOZZ
343	74A586400-2585 +	.						FILLER (FOAM) (76301)	1		MGOZZ
344	74A586400-2633 +	.						FILLER (FOAM) (76301)	1		MGOZZ
345	74A586400-2631 +	.						FILLER (FOAM) (76301)	1		MGOZZ
346	74A586400-2629 +	.						FILLER (FOAM) (76301)	1		MGOZZ
347	74A586400-2627 +	.						FILLER (FOAM) (76301)	1		MGOZZ
348	74A586400-2741 +	.						FILLER (FOAM) (76301)	1		MGOZZ
349	74A586400-2739 +	.						FILLER (FOAM) (76301)	1		MGOZZ
350	74A586400-2737 +	.						FILLER (FOAM) (76301)	1		MGOZZ
351	74A586400-2735 +	.						FILLER (FOAM) (76301)	1		MGOZZ
352	74A586400-2733 +	.						FILLER (FOAM) (76301)	1		MGOZZ
353	74A586400-2731 +	.						FILLER (FOAM) (76301)	1		MGOZZ
354	74A586400-2729 +	.						FILLER (FOAM) (76301)	1		MGOZZ
355	74A586400-2727 +	.						FILLER (FOAM) (76301)	1		MGOZZ
356	74A586400-2725 +	.						FILLER (FOAM) (76301)	1		MGOZZ
357	74A586400-2723 +	.						FILLER (FOAM) (76301)	1		MGOZZ
358	74A586400-2721 +	.						FILLER (FOAM) (76301)	1		MGOZZ
359	74A588400-2719 +	.						FILLER (FOAM) (76301)	1		MGOZZ
360	74A586400-2373 +	.						FILLER (FOAM) (76301)	1		MGOZZ
361	74A586400-2374 +	.						FILLER (FOAM) (76301)	1		MGOZZ
362	74A586400-2713 +	.						FILLER (FOAM) (76301)	1		MGOZZ
363	74A586400-2711 +	.						FILLER (FOAM) (76301)	1		MGOZZ
364	74A586400-2709 +	.						FILLER (FOAM) (76301)	1		MGOZZ
365	74A586400-2707 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
366	74A586400-2705 +	.						FILLER (FOAM) (76301)	1		MGOZZ
367	74A586400-2703 +	.						FILLER (FOAM) (76301)	1		MGOZZ
368	74A586400-2701 +	.						FILLER (FOAM) (76301)	1		MGOZZ
369	74A586400-2699 +	.						FILLER (FOAM) (76301)	1		MGOZZ
370	74A586400-2697 +	.						FILLER (FOAM) (76301)	1		MGOZZ
371	74A586400-2695 +	.						FILLER (FOAM) (76301)	1		MGOZZ
372	74A586400-2693 +	.						FILLER (FOAM) (76301)	1		MGOZZ
373	74A586400-2691 +	.						FILLER (FOAM) (76301)	1		MGOZZ
374	74A586400-2689 +	.						FILLER (FOAM) (76301)	1		MGOZZ
375	74A586400-2687 +	.						FILLER (FOAM) (76301)	1		MGOZZ
376	74A586400-2717 +	.						FILLER (FOAM) (76301)	1		MGOZZ
377	74A586400-2715 +	.						FILLER (FOAM) (76301)	1		MGOZZ
378	74A586400-3417 +	.						FILLER (FOAM) (76301)	2		MGOZZ
379	74A586400-3415 +	.						FILLER (FOAM) (76301)	2		MGOZZ
380	74A586400-2989 +	.						FILLER (FOAM) (76301)	1		MGOZZ
381	74A586400-2987 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
382	74A586400-2985 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
383	74A586400-2983 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
384	74A586400-2981 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
385	74A586400-2979 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
386	74A586400-2977 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
387	74A586400-2975 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
388	74A586400-2973 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
389	74A586400-2971 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
390	74A586400-2969 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
391	74A586400-2967 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
392	74A586400-2965 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
393	74A586400-2963 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
394	74A586400-2961 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
395	74A586400-2991 +	.						FILLER (FOAM) (76301)	1		MGOZZ
396	74A586400-2745 +	.						FILLER (FOAM) (76301)	1		MGOZZ
397	74A586400-2743 +	.						FILLER (FOAM) (76301)	1		MGOZZ
398	74A586400-2777 +	.						FILLER (FOAM) (76301)	1		MGOZZ
399	74A586400-2775 +	.						FILLER (FOAM) (76301)	1		MGOZZ
400	74A586400-3009 +	.						FILLER (FOAM) (76301)	1	B	MGOZZ
401	74A586400-3007 +	.						FILLER (FOAM) (76301)	1	B	MGOZZ
402	74A586400-3005 +	.						FILLER (FOAM) (76301)	1	B	MGOZZ
403	74A586660-2283	.						INSULATOR (76301)	7	B	XBOZZ
404	74A586400-3003 +	.						FILLER (FOAM) (76301)	1	B	MGOZZ
405	74A586400-3008 +	.						FILLER (FOAM) (76301)	1	B	MGOZZ
406	74A586400-3010 +	.						FILLER (FOAM) (76301)	1	B	MGOZZ
407	74A586400-2839 +	.						FILLER (FOAM) (76301)	1		MGOZZ
408	74A586400-2837 +	.						FILLER (FOAM) (76301)	1		MGOZZ
409	74A586400-2835 +	.						FILLER (FOAM) (76301)	1		MGOZZ
410	74A586400-2833 +	.						FILLER (FOAM) (76301)	1		MGOZZ
411	74A586400-2831 +	.						FILLER (FOAM) (76301)	1		MGOZZ
412	74A586400-2829 +	.						FILLER (FOAM) (76301)	1		MGOZZ
413	74A586400-2827 +	.						FILLER (FOAM) (76301)	1		MGOZZ
414	74A586400-2825 +	.						FILLER (FOAM) (76301)	1		MGOZZ
415	74A586400-2823 +	.						FILLER (FOAM) (76301)	1		MGOZZ
416	74A586400-2821 +	.						FILLER (FOAM) (76301)	1		MGOZZ
417	74A586400-2819 +	.						FILLER (FOAM) (76301)	1		MGOZZ
418	74A586400-2817 +	.						FILLER (FOAM) (76301)	1		MGOZZ
419	74A586400-2815 +	.						FILLER (FOAM) (76301)	1		MGOZZ
420	74A586400-2813 +	.						FILLER (FOAM) (76301)	1		MGOZZ
421	74A586400-2811 +	.						FILLER (FOAM) (76301)	1		MGOZZ
422	74A586400-2809 +	.						FILLER (FOAM) (76301)	1		MGOZZ
423	74A586400-2807 +	.						FILLER (FOAM) (76301)	1		MGOZZ
424	74A586400-2845 +	.						FILLER (FOAM) (76301)	1		MGOZZ
425	74A586400-2843 +	.						FILLER (FOAM) (76301)	1		MGOZZ
426	74A586400-2841 +	.						FILLER (FOAM) (76301)	1		MGOZZ
427	74A586400-2657 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 28)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
428	74A586400-2641 +	.						FILLER (FOAM) (76301)	1		MGOZZ
429	74A586400-2655 +	.						FILLER (FOAM) (76301)	1		MGOZZ
430	74A586400-2653 +	.						FILLER (FOAM) (76301)	1		MGOZZ
431	74A586400-2651 +	.						FILLER (FOAM) (76301)	1		MGOZZ
432	74A586400-2649 +	.						FILLER (FOAM) (76301)	1		MGOZZ
433	74A586400-2647 +	.						FILLER (FOAM) (76301)	1		MGOZZ
434	74A586400-2645 +	.						FILLER (FOAM) (76301)	1		MGOZZ
435	74A586400-2643 +	.						FILLER (FOAM) (76301)	1		MGOZZ
436	74A586400-2641 +	.						FILLER (FOAM) (76301)	1		MGOZZ
437	74A586400-2639 +	.						FILLER (FOAM) (76301)	1		MGOZZ
438	74A586400-2637 +	.						FILLER (FOAM) (76301)	1		MGOZZ
439	74A586400-2635 +	.						FILLER (FOAM) (76301)	1		MGOZZ
440	74A586400-2661 +	.						FILLER (FOAM) (76301)	1		MGOZZ
441	74A586400-2659 +	.						FILLER (FOAM) (76301)	1		MGOZZ
442	74A586400-2879 +	.						FILLER (FOAM) (76301)	1		MGOZZ
443	74A586400-2877 +	.						FILLER (FOAM) (76301)	1		MGOZZ
444	74A586400-2875 +	.						FILLER (FOAM) (76301)	1		MGOZZ
445	74A586400-2873 +	.						FILLER (FOAM) (76301)	1		MGOZZ
446	74A586400-2871 +	.						FILLER (FOAM) (76301)	1		MGOZZ
447	74A586400-2869 +	.						FILLER (FOAM) (76301)	1		MGOZZ
448	74A586400-2867 +	.						FILLER (FOAM) (76301)	1		MGOZZ
449	74A586400-2865 +	.						FILLER (FOAM) (76301)	1		MGOZZ
450	74A586400-2863 +	.						FILLER (FOAM) (76301)	1		MGOZZ
451	74A586400-2861 +	.						FILLER (FOAM) (76301)	1		MGOZZ
452	74A586400-2859 +	.						FILLER (FOAM) (76301)	1		MGOZZ
453	74A586400-2857 +	.						FILLER (FOAM) (76301)	1		MGOZZ
454	74A586400-2855 +	.						FILLER (FOAM) (76301)	1		MGOZZ
455	74A586400-2853 +	.						FILLER (FOAM) (76301)	1		MGOZZ
456	74A586400-2851 +	.						FILLER (FOAM) (76301)	1		MGOZZ
457	74A586400-2849 +	.						FILLER (FOAM) (76301)	1		MGOZZ
458	74A586400-2847 +	.						FILLER (FOAM) (76301)	1		MGOZZ
459	74A586400-2881 +	.						FILLER (FOAM) (76301)	1		MGOZZ
460	74A586400-2683 +	.						FILLER (FOAM) (76301)	1		MGOZZ
461	74A586400-2681 +	.						FILLER (FOAM) (76301)	1		MGOZZ
462	74A586400-2679 +	.						FILLER (FOAM) (76301)	1		MGOZZ
463	74A586400-2677 +	.						FILLER (FOAM) (76301)	1		MGOZZ
464	74A586400-2675 +	.						FILLER (FOAM) (76301)	1		MGOZZ
465	74A586400-2673 +	.						FILLER (FOAM) (76301)	1		MGOZZ
466	74A586400-2671 +	.						FILLER (FOAM) (76301)	1		MGOZZ
467	74A586400-2669 +	.						FILLER (FOAM) (76301)	1		MGOZZ
468	74A586400-2667 +	.						FILLER (FOAM) (76301)	1		MGOZZ
469	74A586400-2665 +	.						FILLER (FOAM) (76301)	1		MGOZZ
470	74A586400-2663 +	.						FILLER (FOAM) (76301)	1		MGOZZ
471	74A586400-2791 +	.						FILLER (FOAM) (76301)	4		MGOZZ
472	74A586400-2793 +	.						FILLER (FOAM) (76301)	4		MGOZZ
473	74A586400-2789 +	.						FILLER (FOAM) (76301)	2		MGOZZ
474	74A586400-2795 +	.						FILLER (FOAM) (76301)	4		MGOZZ
475	74A586400-2805 +	.						FILLER (FOAM) (76301)	1		MGOZZ
476	74A586400-2803 +	.						FILLER (FOAM) (76301)	1		MGOZZ
477	74A586400-2801 +	.						FILLER (FOAM) (76301)	1		MGOZZ
478	74A586400-2799 +	.						FILLER (FOAM) (76301)	1		MGOZZ
479	74A586400-2797 +	.						FILLER (FOAM) (76301)	1		MGOZZ
480	74A586400-2787 +	.						FILLER (FOAM) (76301)	2		MGOZZ
481	74A586400-3457 +	.						FILLER (FOAM) (76301)	1		MGOZZ
482	74A586400-2285 +	.						FILLER (FOAM) (76301)	2		MGOZZ
483	74A586400-2783 +	.						FILLER (FOAM) (76301)	8		MGOZZ
484	74A586400-3458 +	.						FILLER (FOAM) (76301)	1		MGOZZ
485	74A586400-2955 +	.						FILLER (FOAM) (76301)	1		MGOZZ
486	74A586400-2957 +	.						FILLER (FOAM) (76301)	1		MGOZZ
487	74A586400-2959 +	.						FILLER (FOAM) (76301)	1		MGOZZ
488	74A586400-2371 +	.						FILLER (FOAM) (76301)	1	A	MGOZZ
(LEFT SIDE ONLY)											

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 29)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	74A586400-3307 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1	B	MGOZZ
	74A586400-2372 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	A	MGOZZ
	74A586400-3308 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	B	MGOZZ
489	74A586400-2369 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1	A	MGOZZ
	74A586400-3309 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1	B	MGOZZ
	74A586400-2370 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	A	MGOZZ
	74A586400-3310 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	B	MGOZZ
490	74A586400-2365 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1	A	MGOZZ
	74A586400-3311 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1	B	MGOZZ
	74A586400-2366 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	A	MGOZZ
	74A586400-3312 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	B	MGOZZ
491	74A586400-2895 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1	A	MGOZZ
	74A586400-3313 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1	B	MGOZZ
	74A586400-2896 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	A	MGOZZ
	74A586400-3314 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1	B	MGOZZ
492	74A586400-2893 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-2894 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
493	74A586400-2891 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-2892 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
494	74A586400-2889 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-2890 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
495	74A586400-2887 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-2888 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
496	74A586400-2885 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-2886 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
497	74A586400-2883 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-2884 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ

+ REFER TO A1-F18AC-SRM-230, WP024 00,
WP025 00, WP026 00 AND WP026 01 FOR
FOAM FILLER DIMENSIONS.

CODE	USABLE ON	MODEL
A	161353 THRU 161705, 161707	F/A-18A/B
B	161706, 161708 THRU 161741	F/A-18A/B

Figure 1. No. 4 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 30)

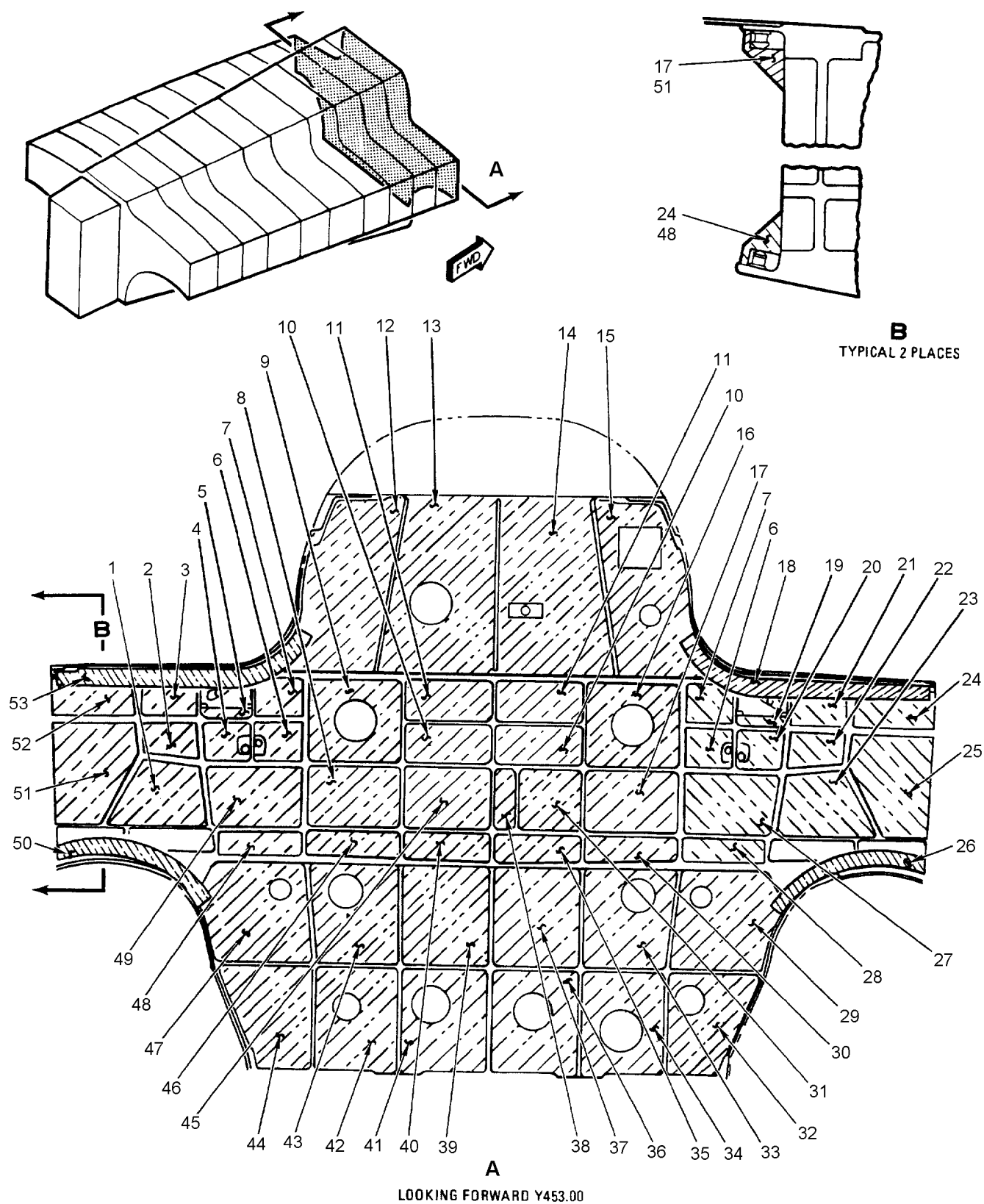
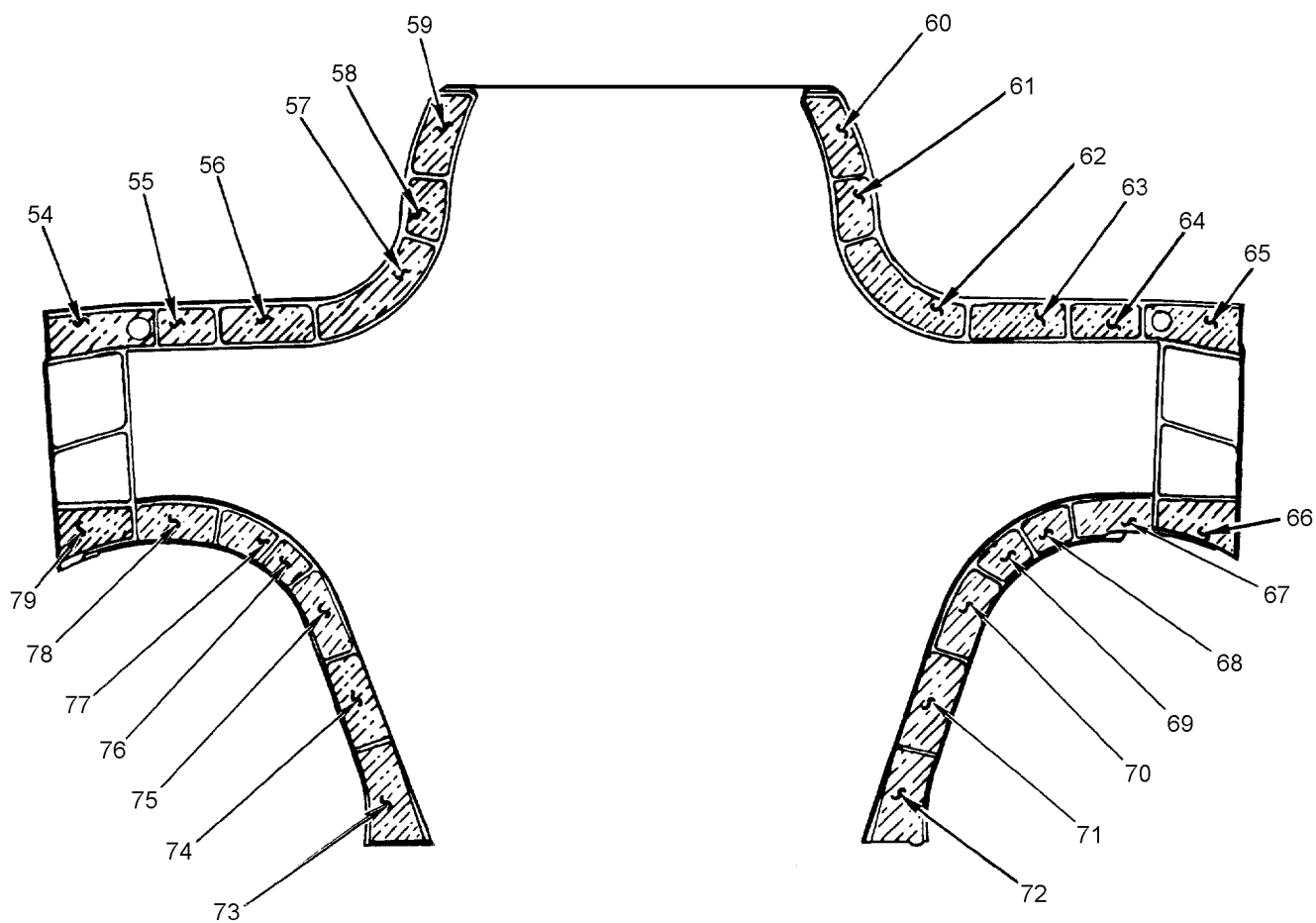
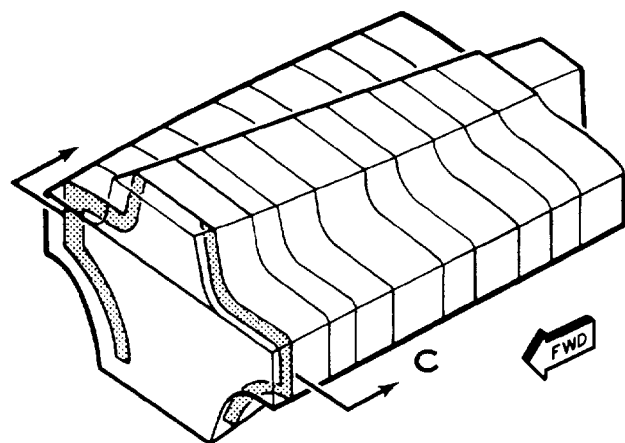


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 1)



C
LOOKING AFT Y462.25

29010202

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 2)

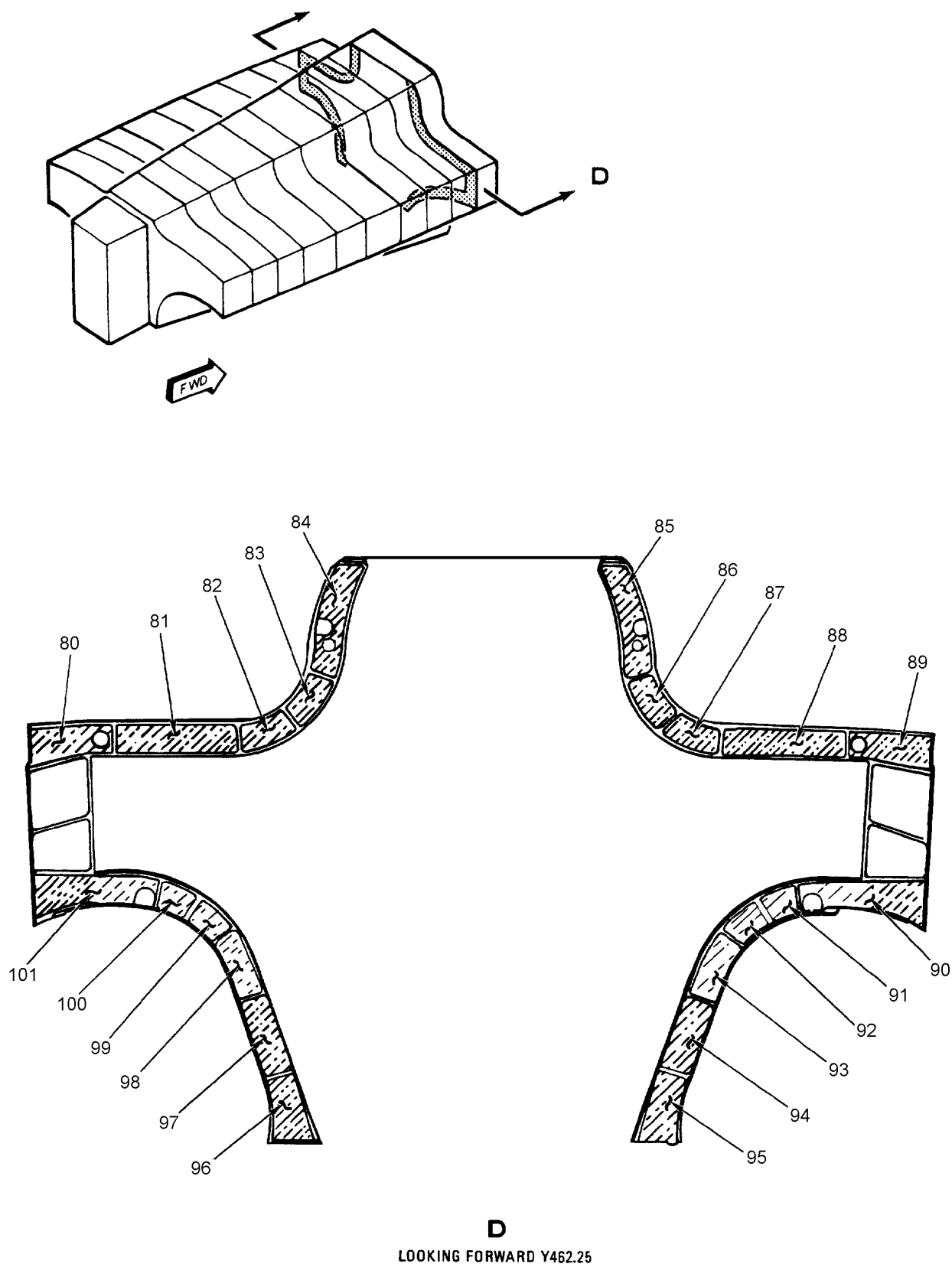


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 3)

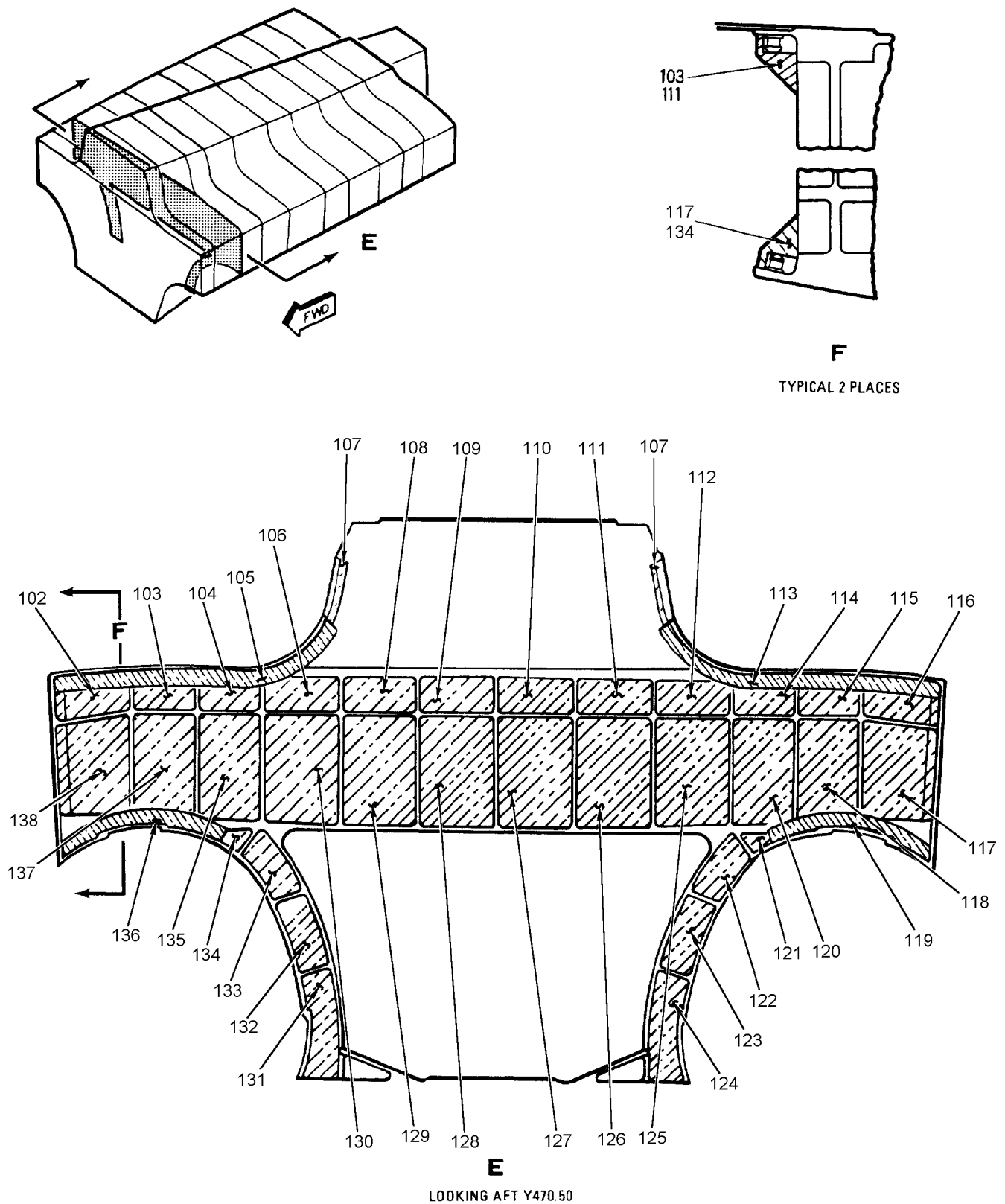


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 4)

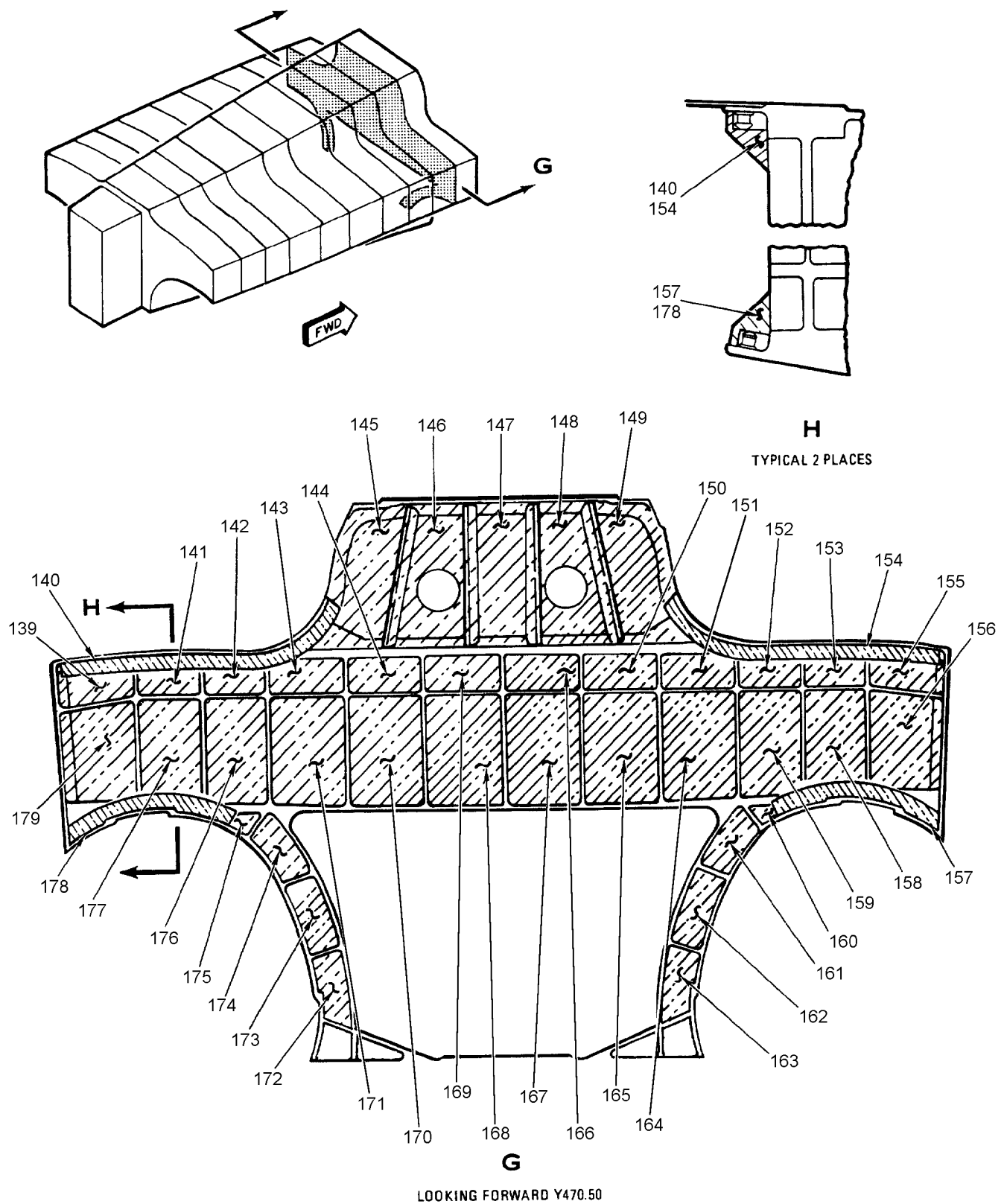
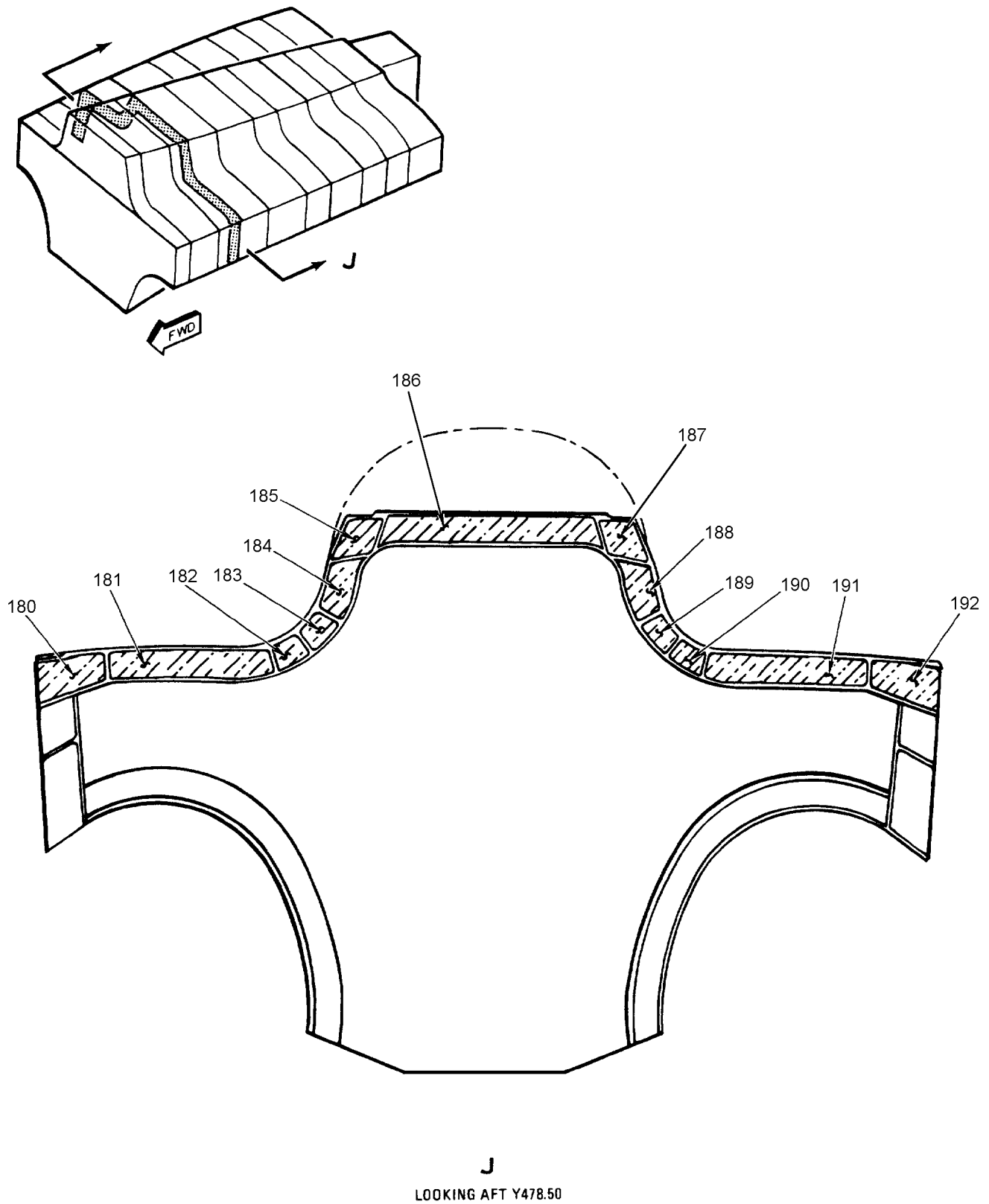


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 5)



29010206

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 6)

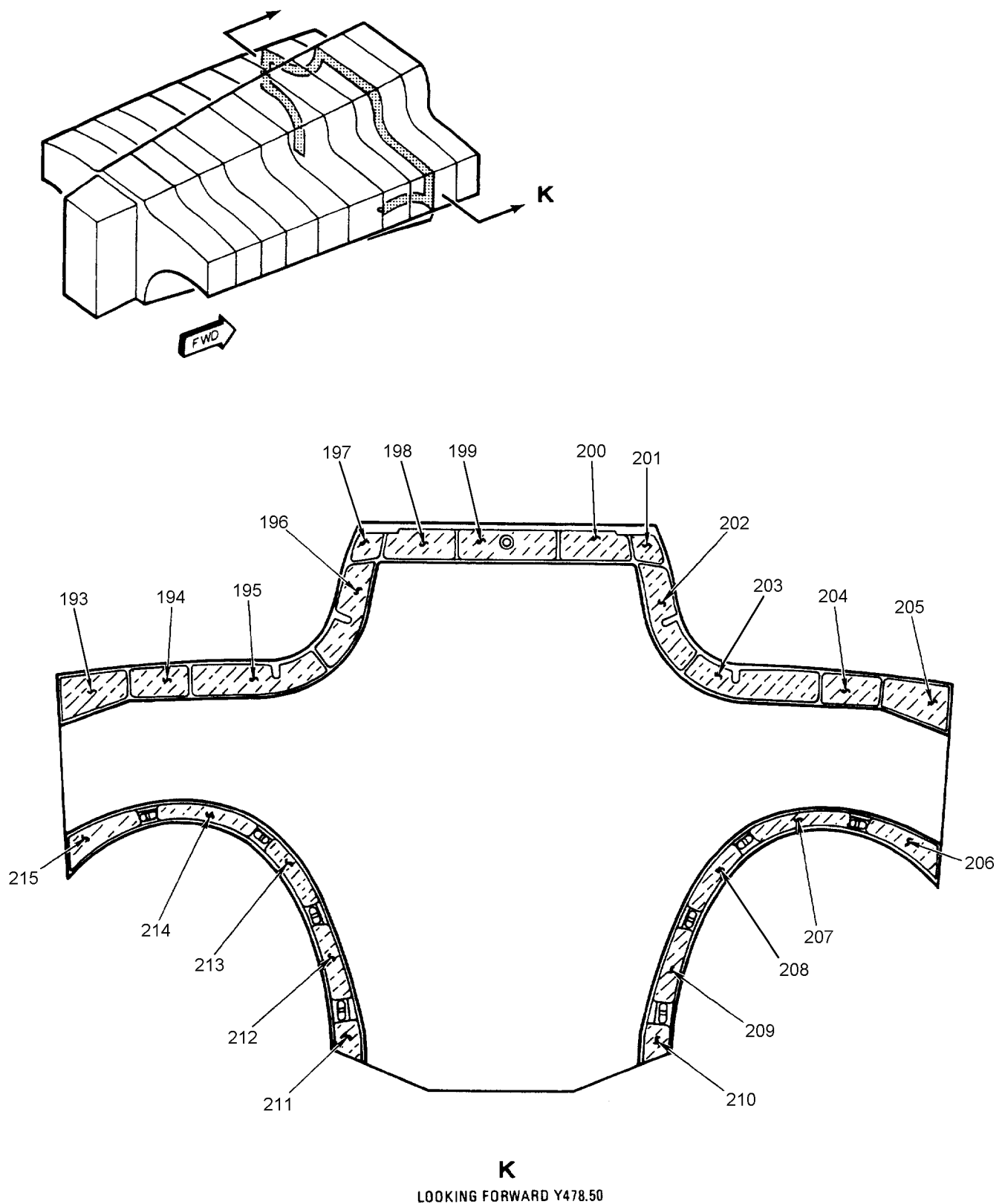


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 7)

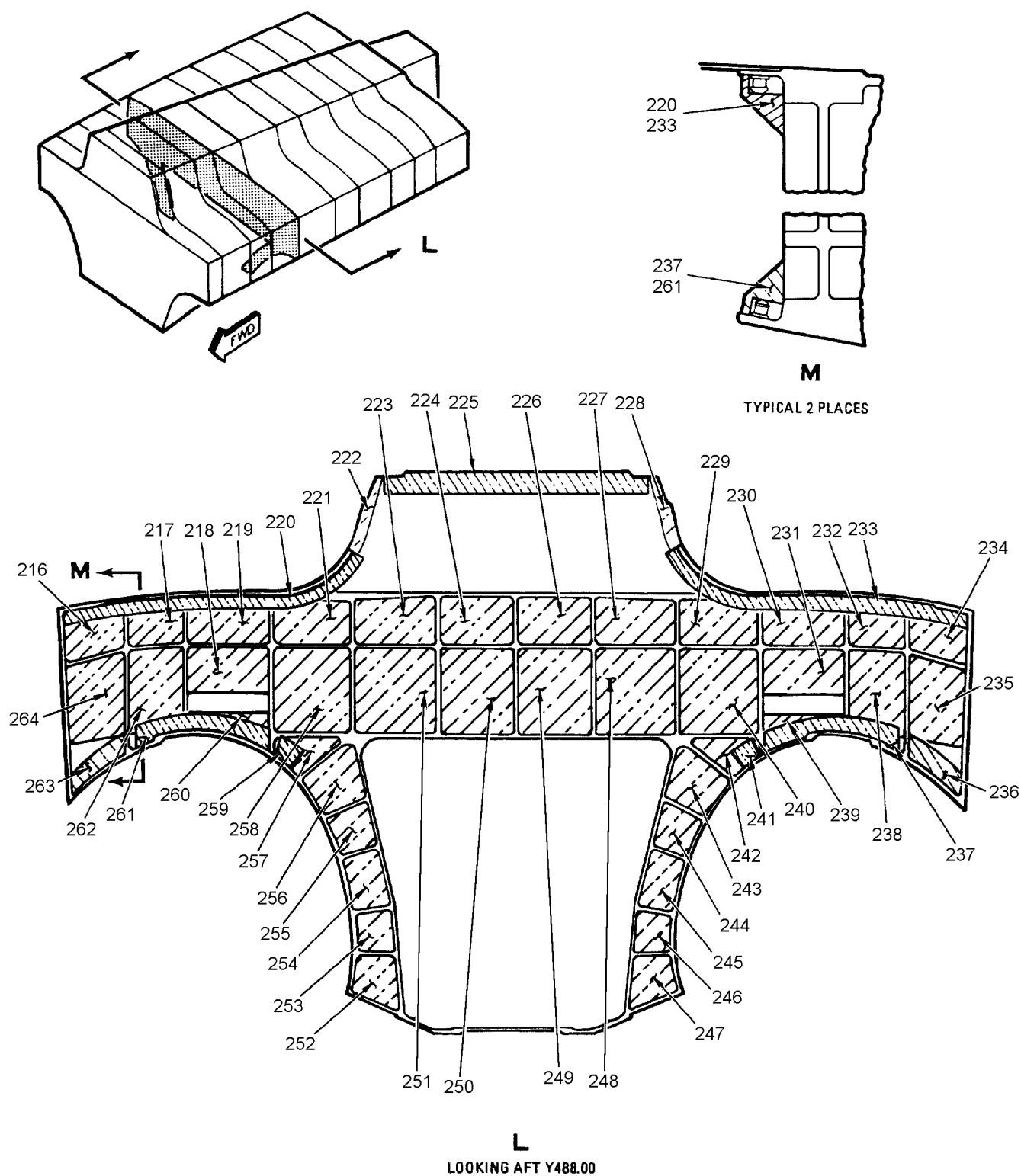


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 8)

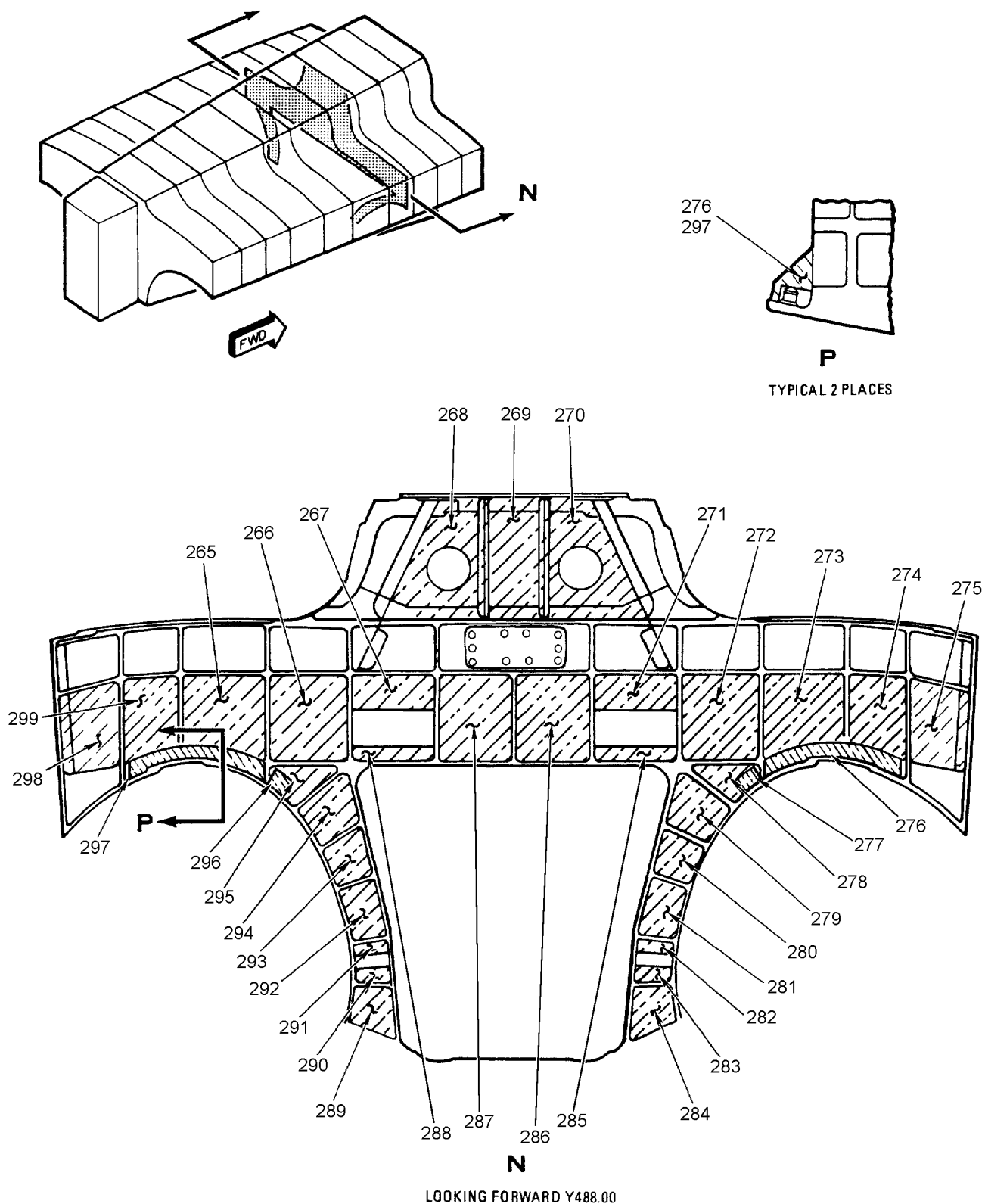


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 9)

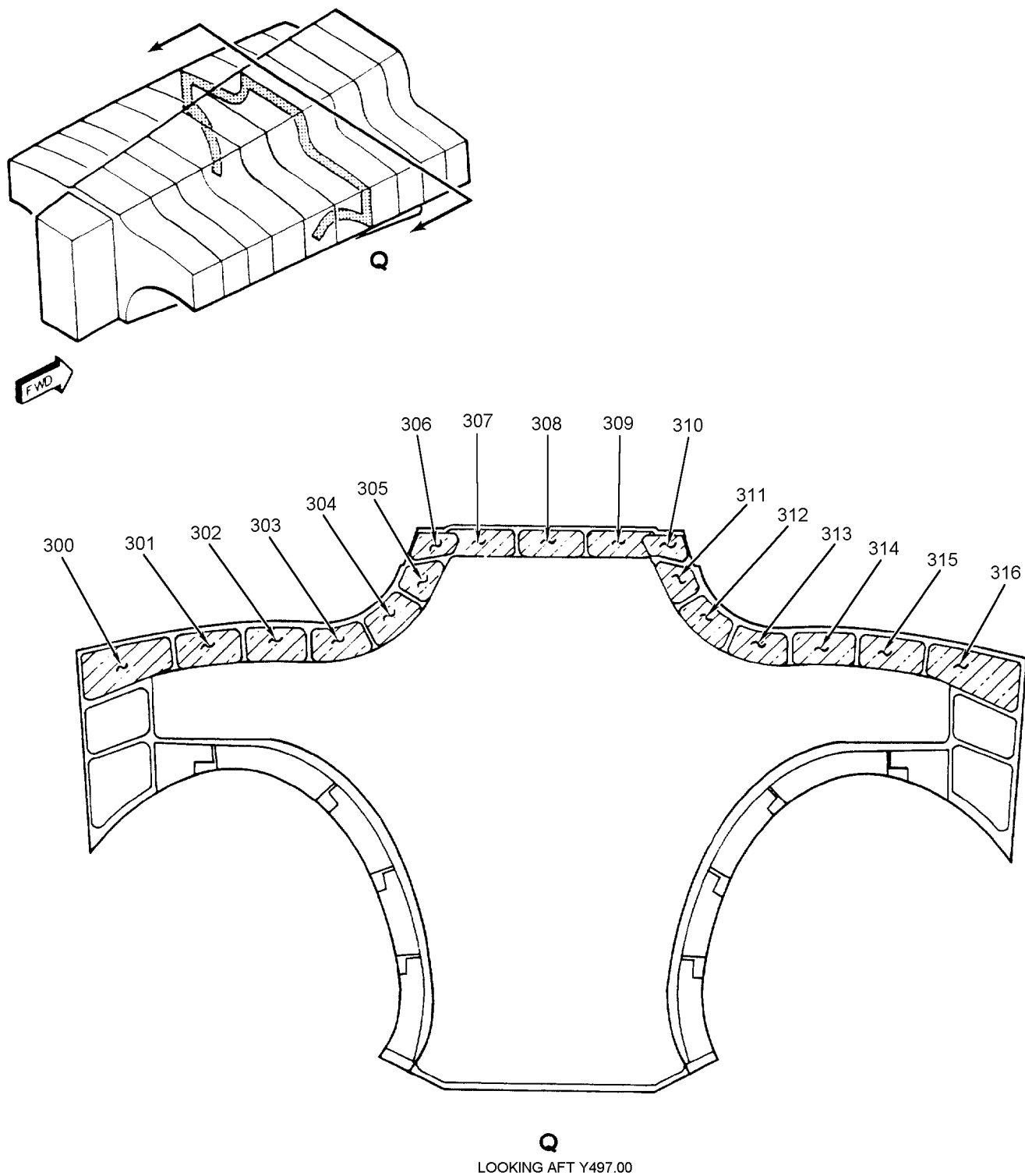


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 10)

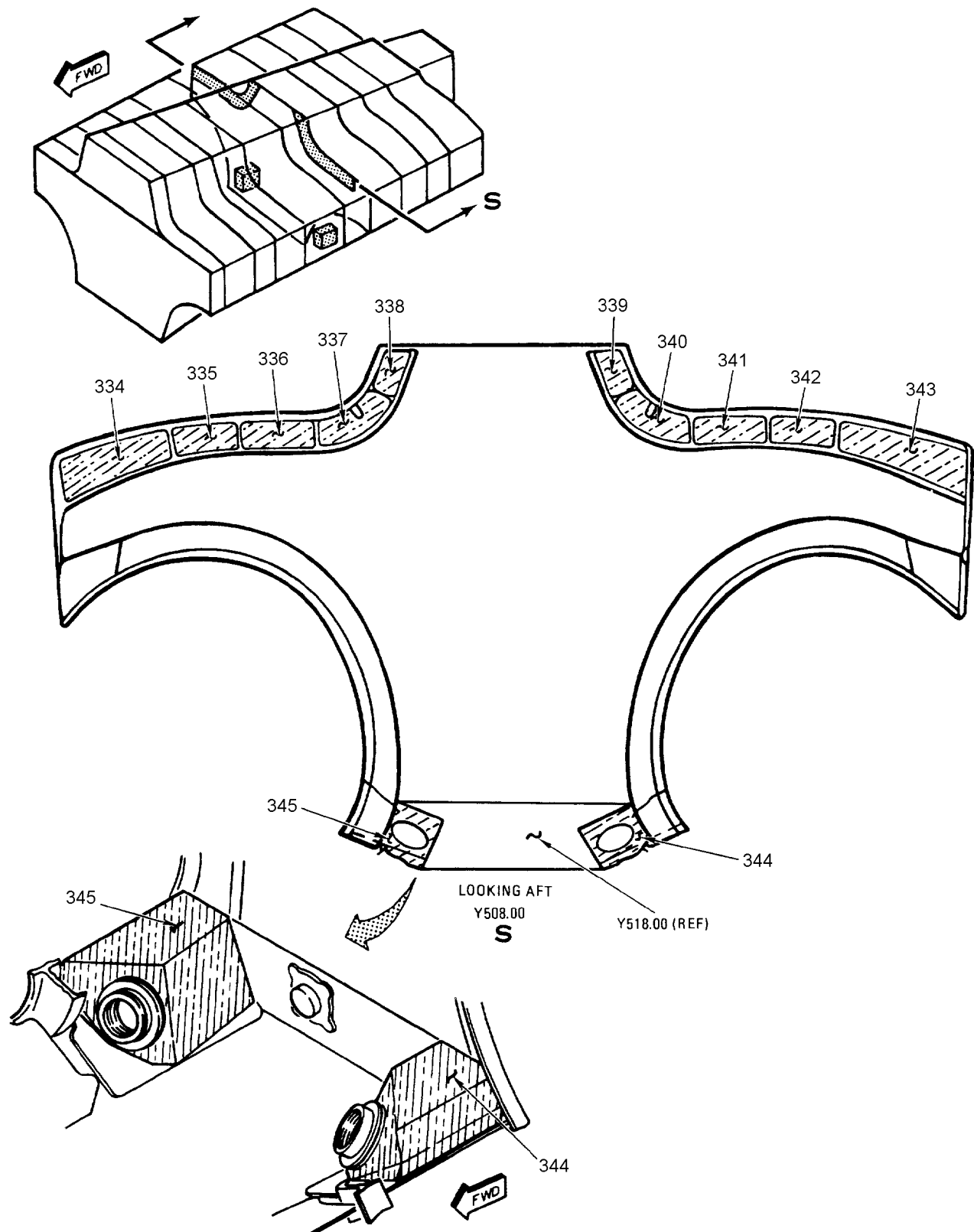
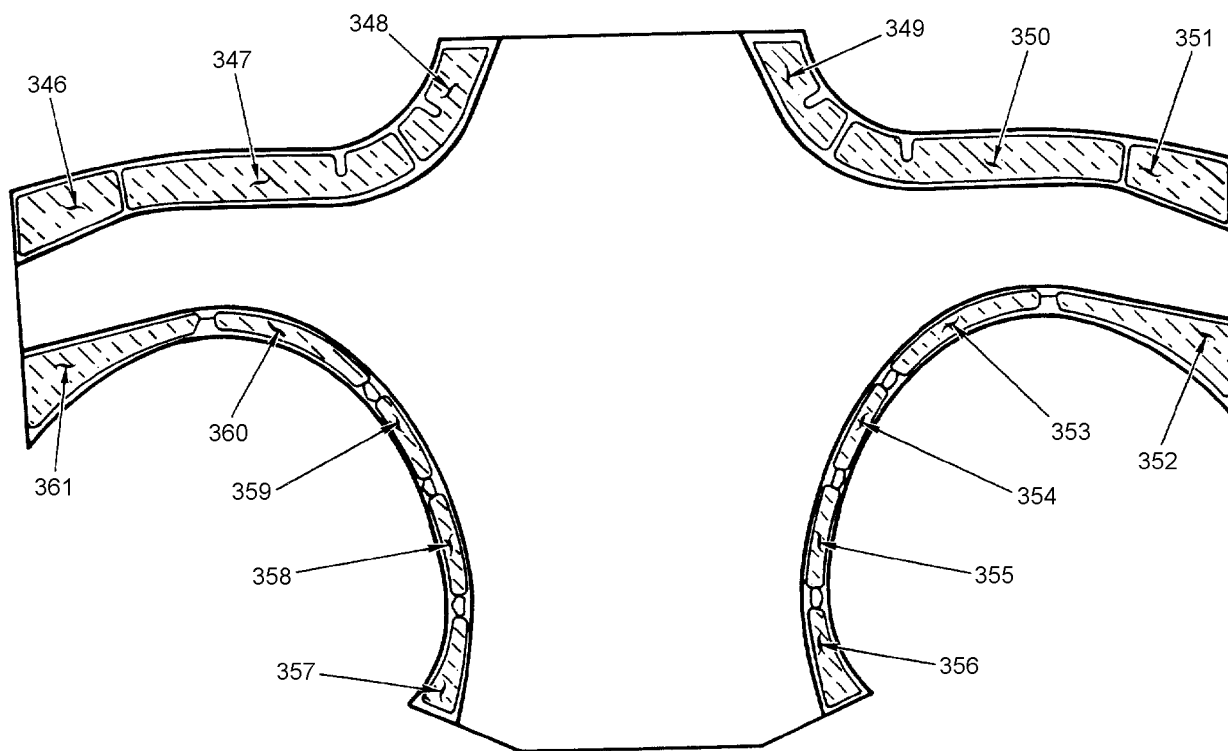
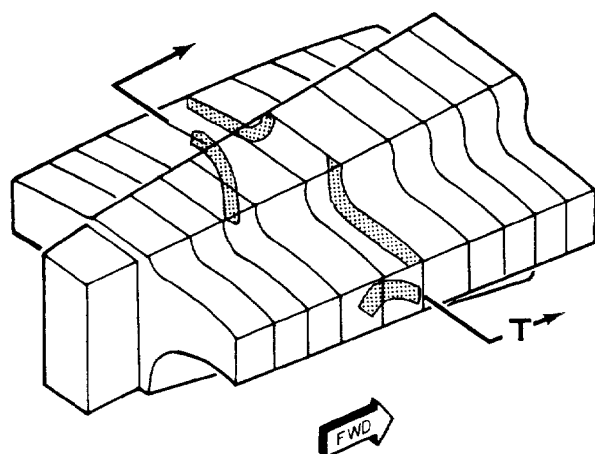


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 12)



T

LOOKING FORWARD Y508.00

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 13)

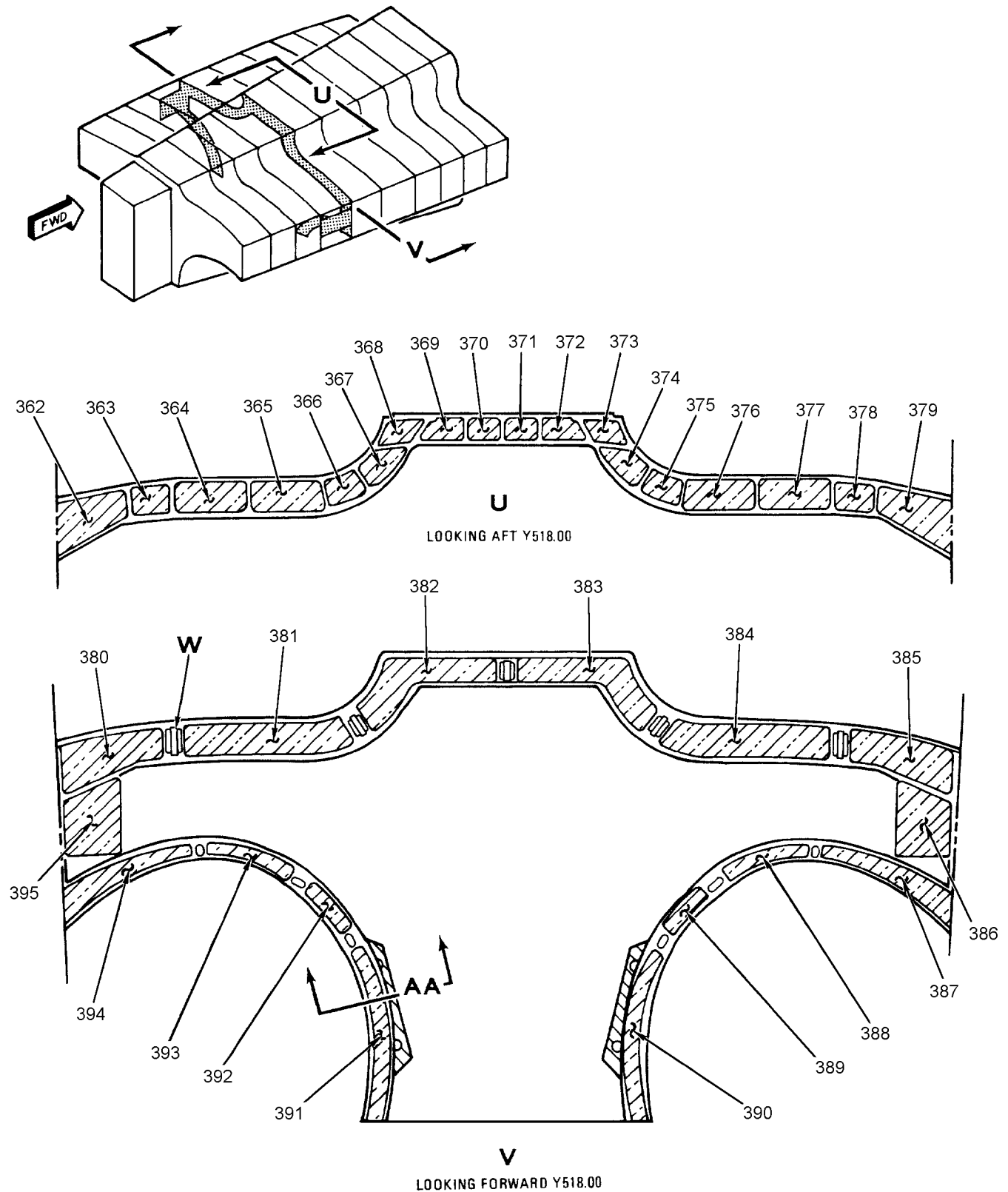


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 14)

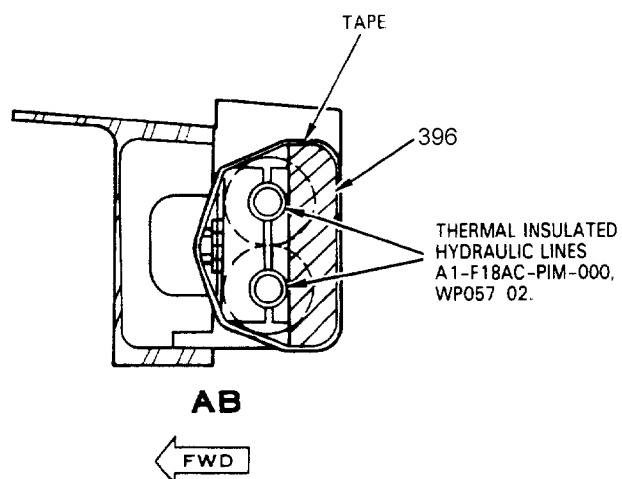
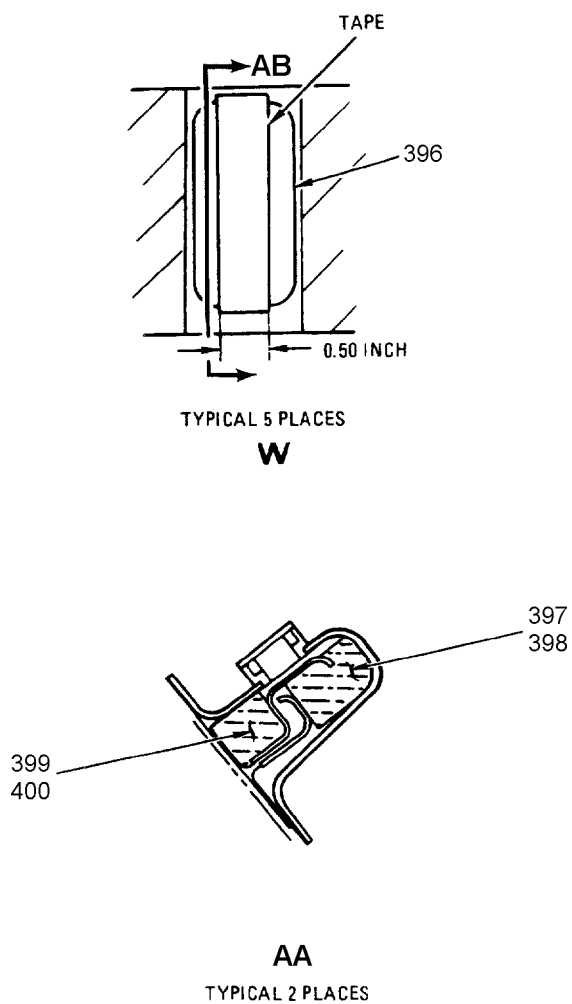
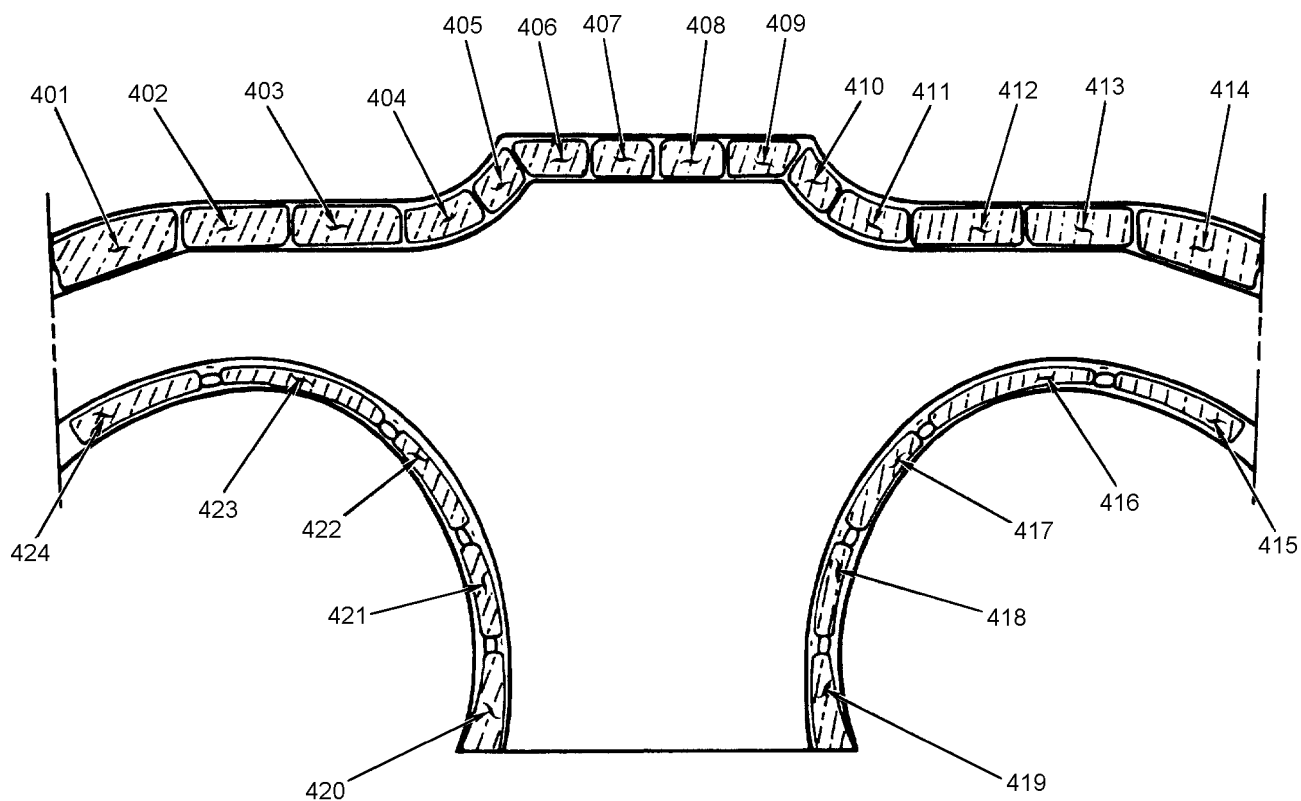
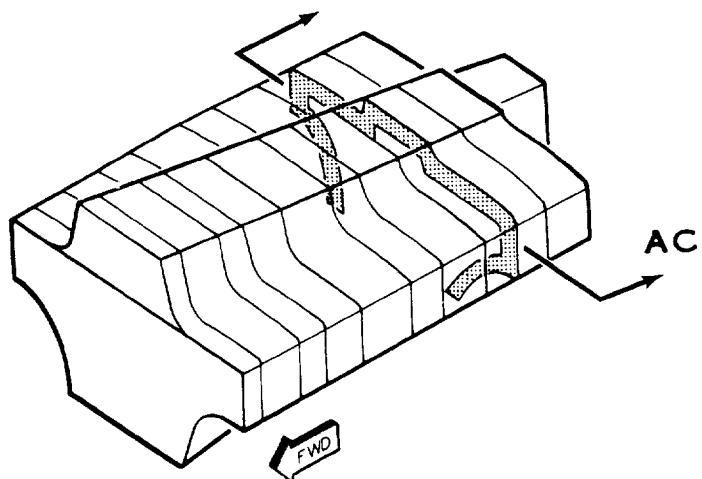


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 15)



AC
LOOKING AFT Y526.00

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 16)

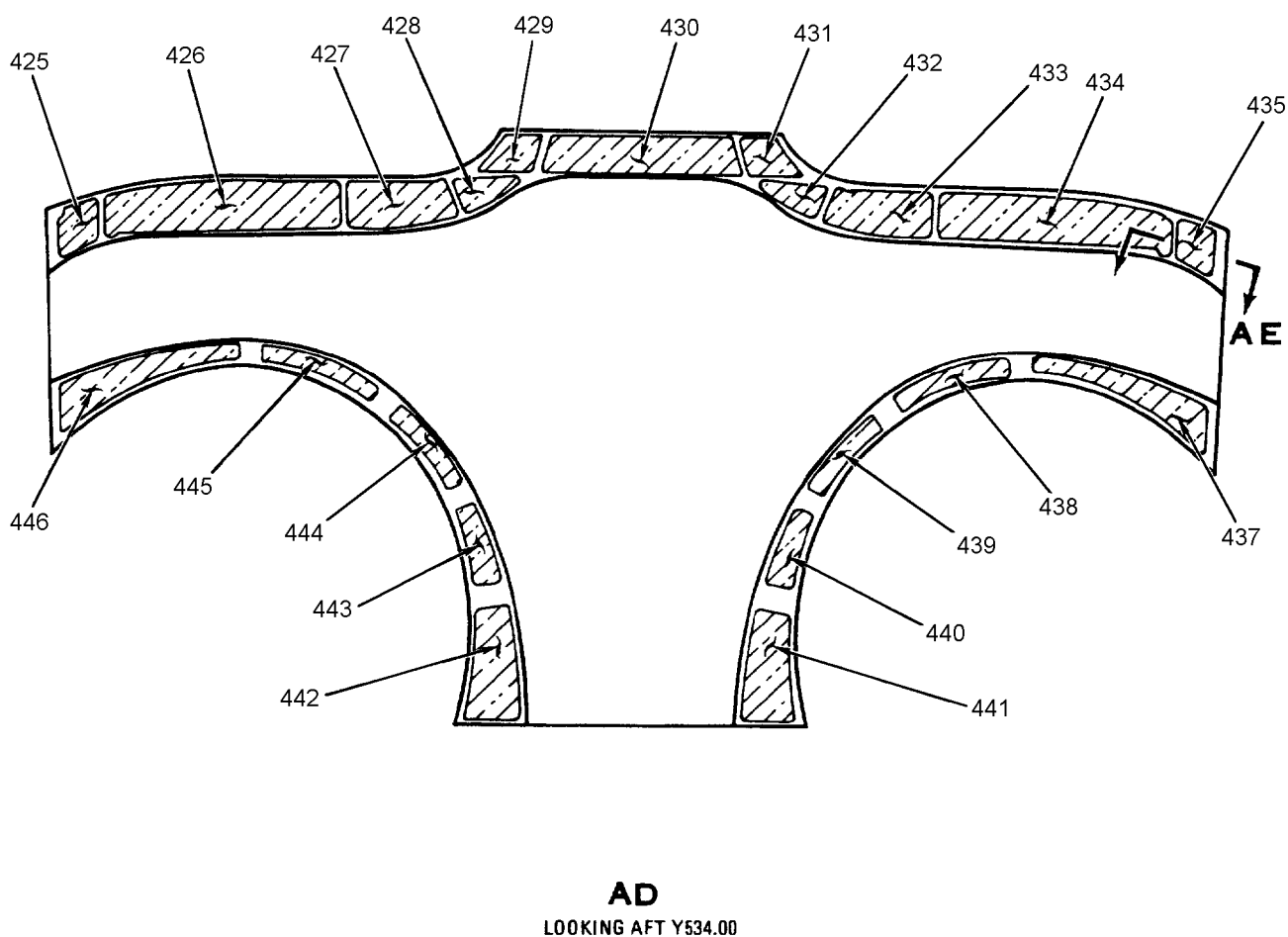
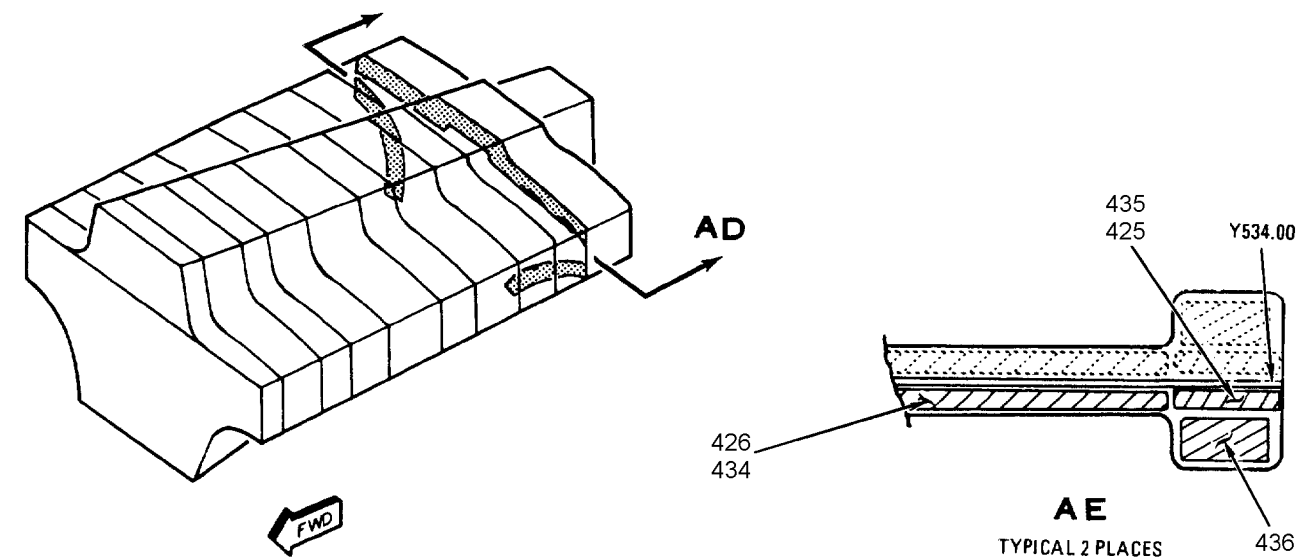


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 17)

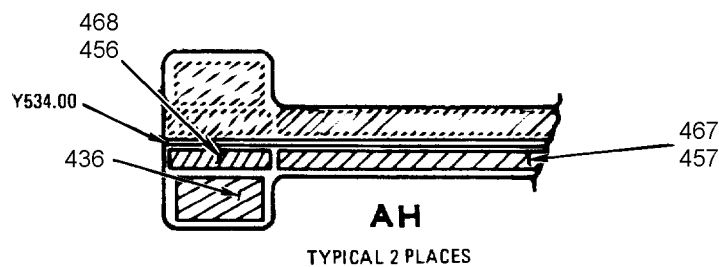
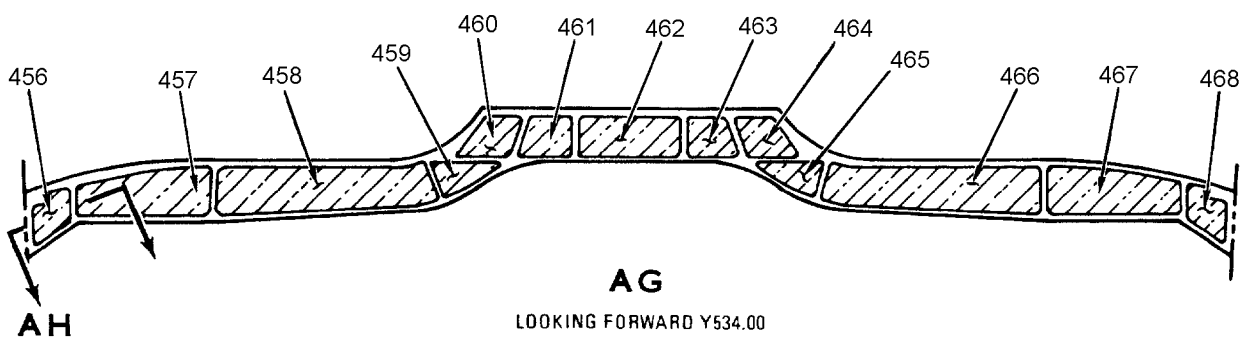
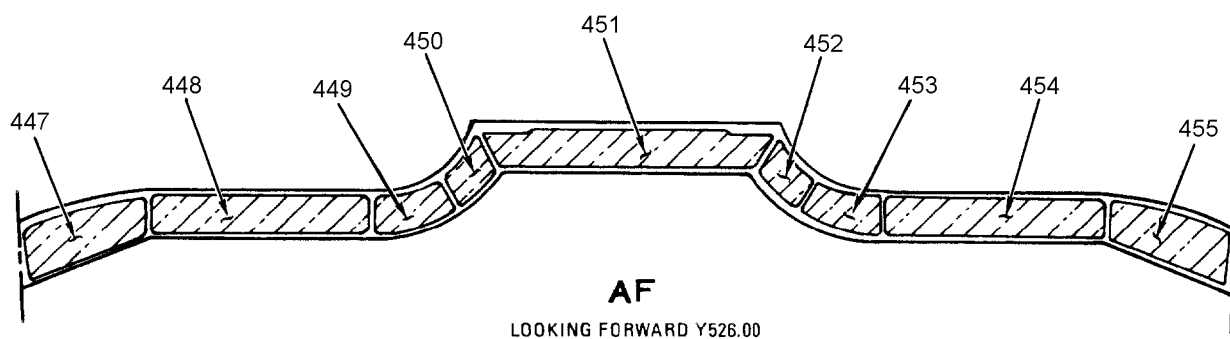
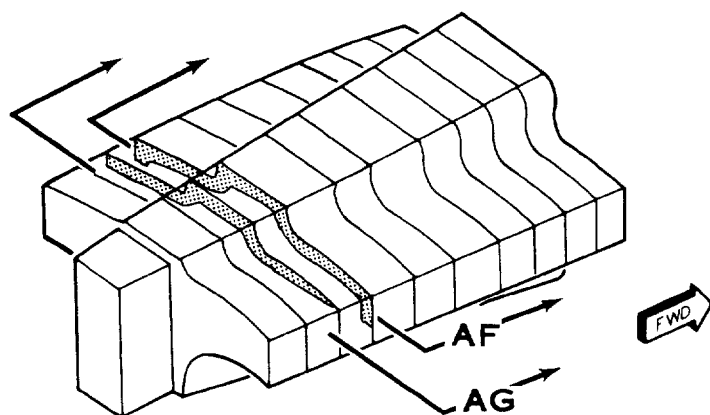


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 18)

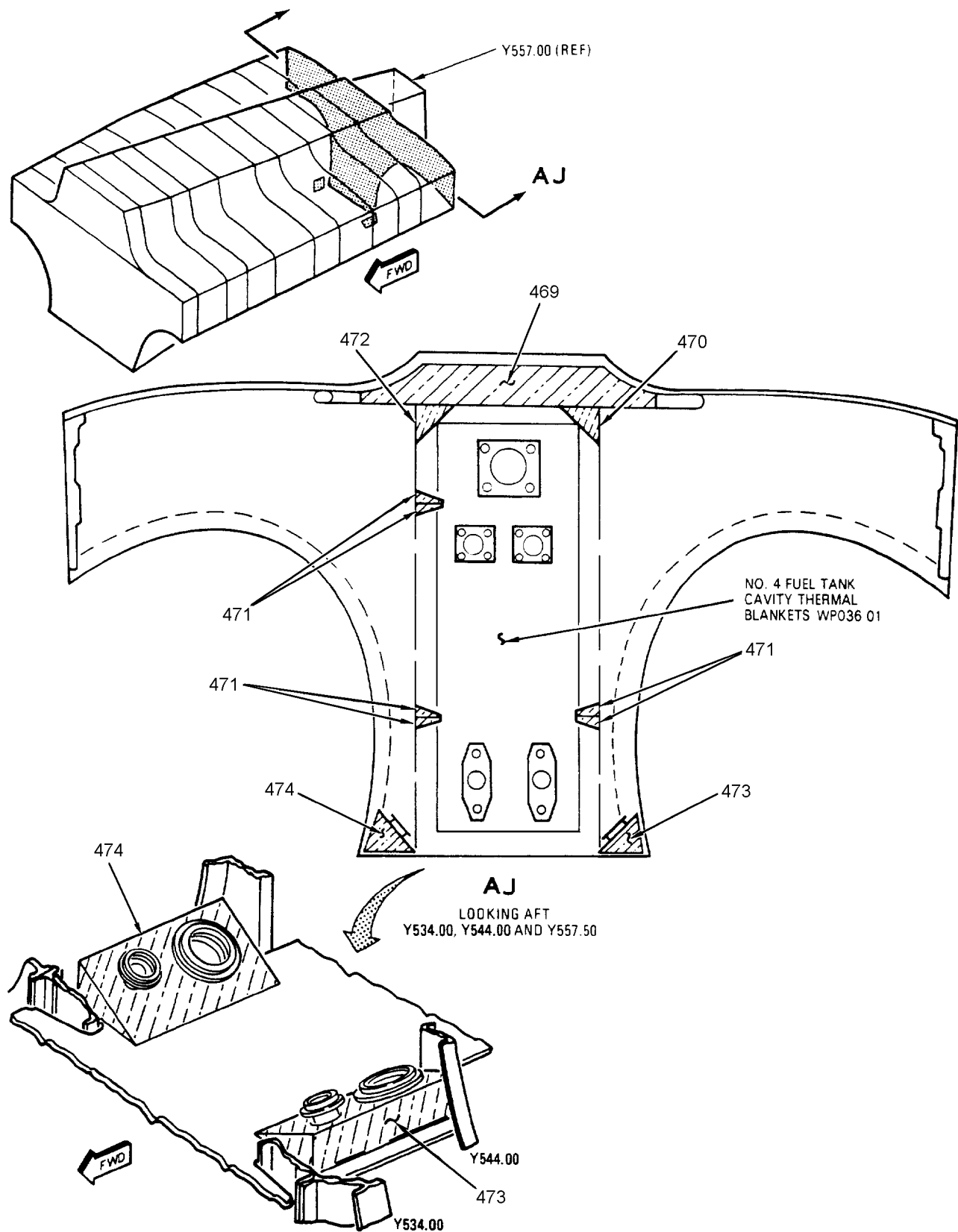


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 19)

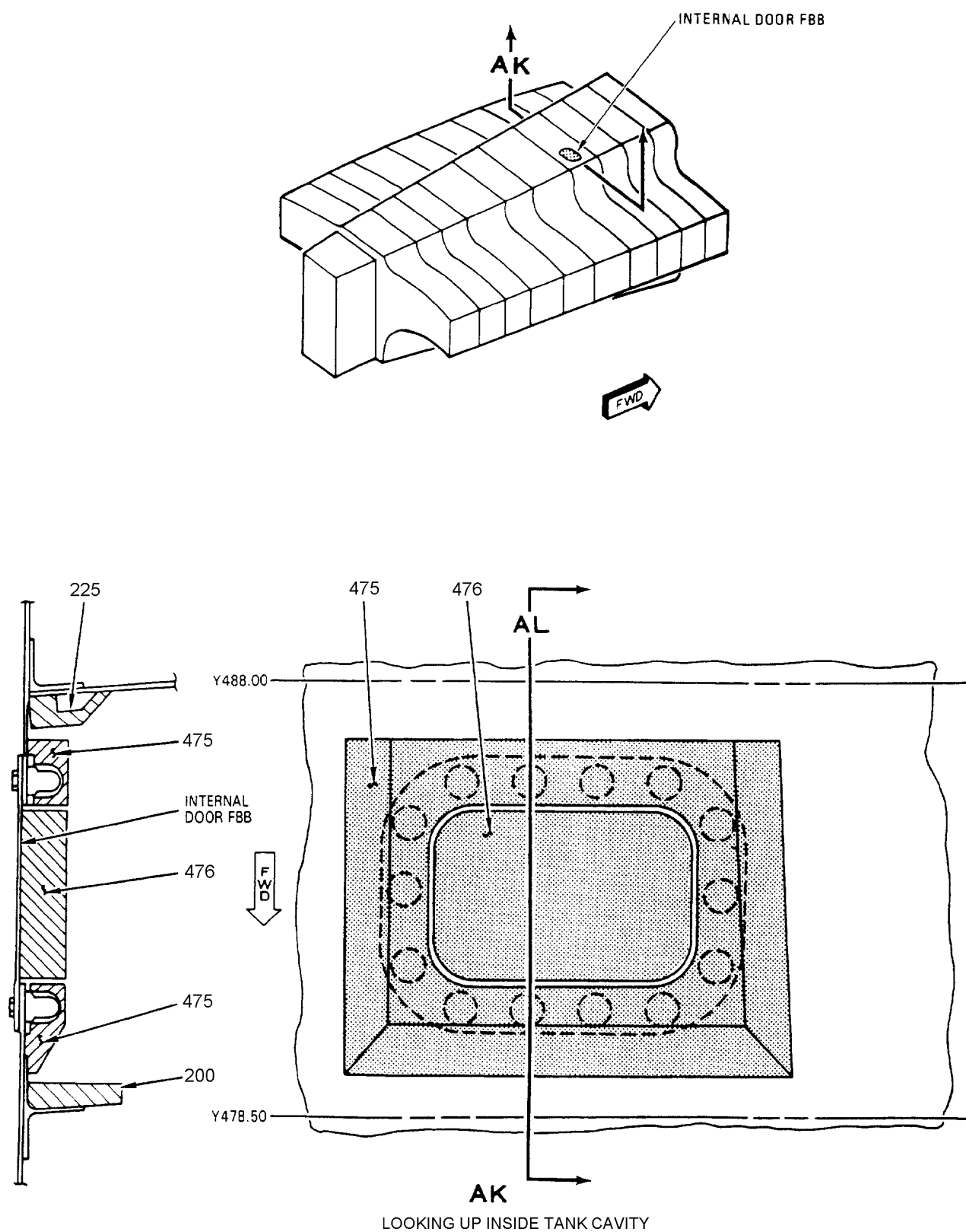


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 20)

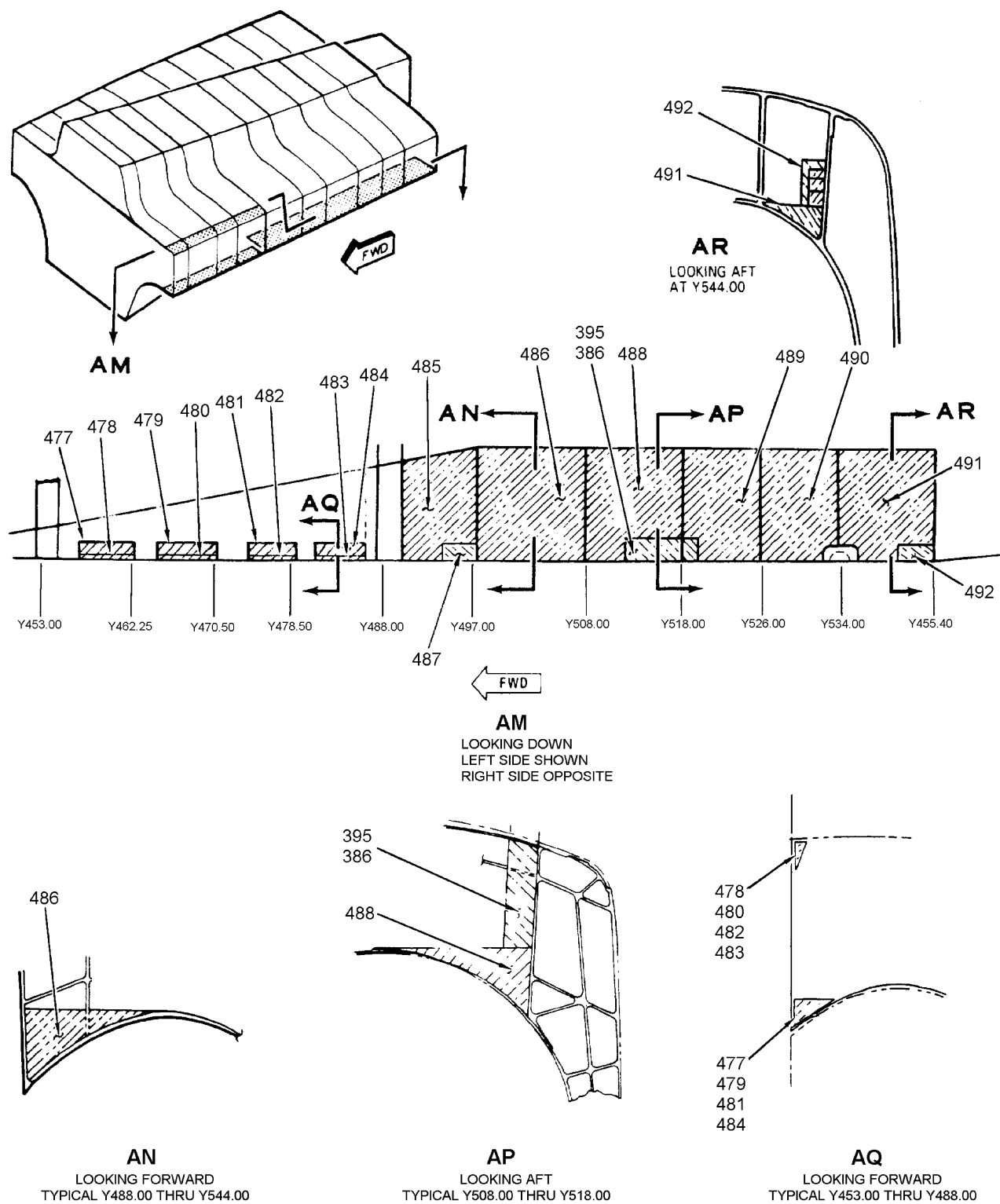


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 21)

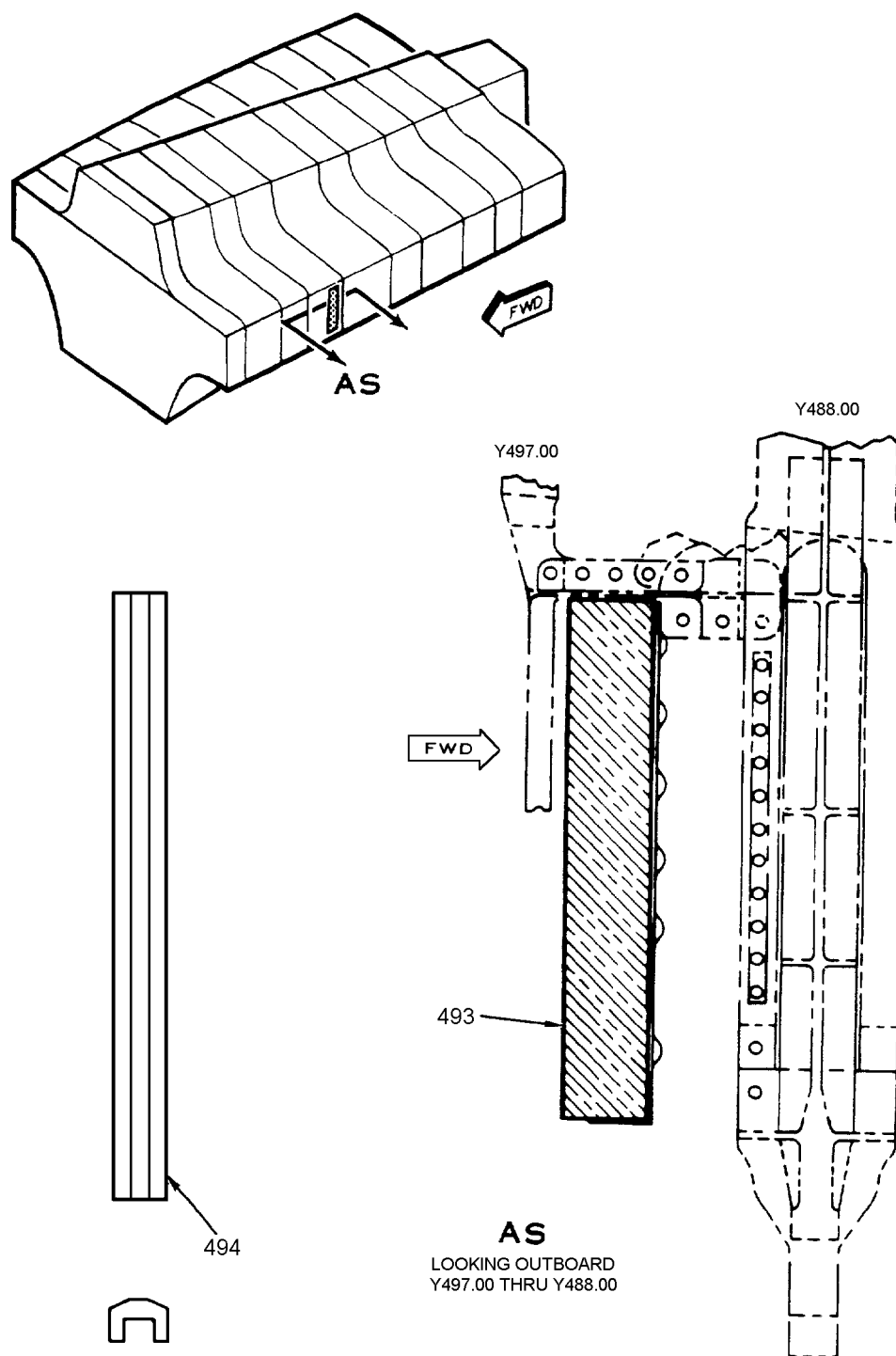


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 22)

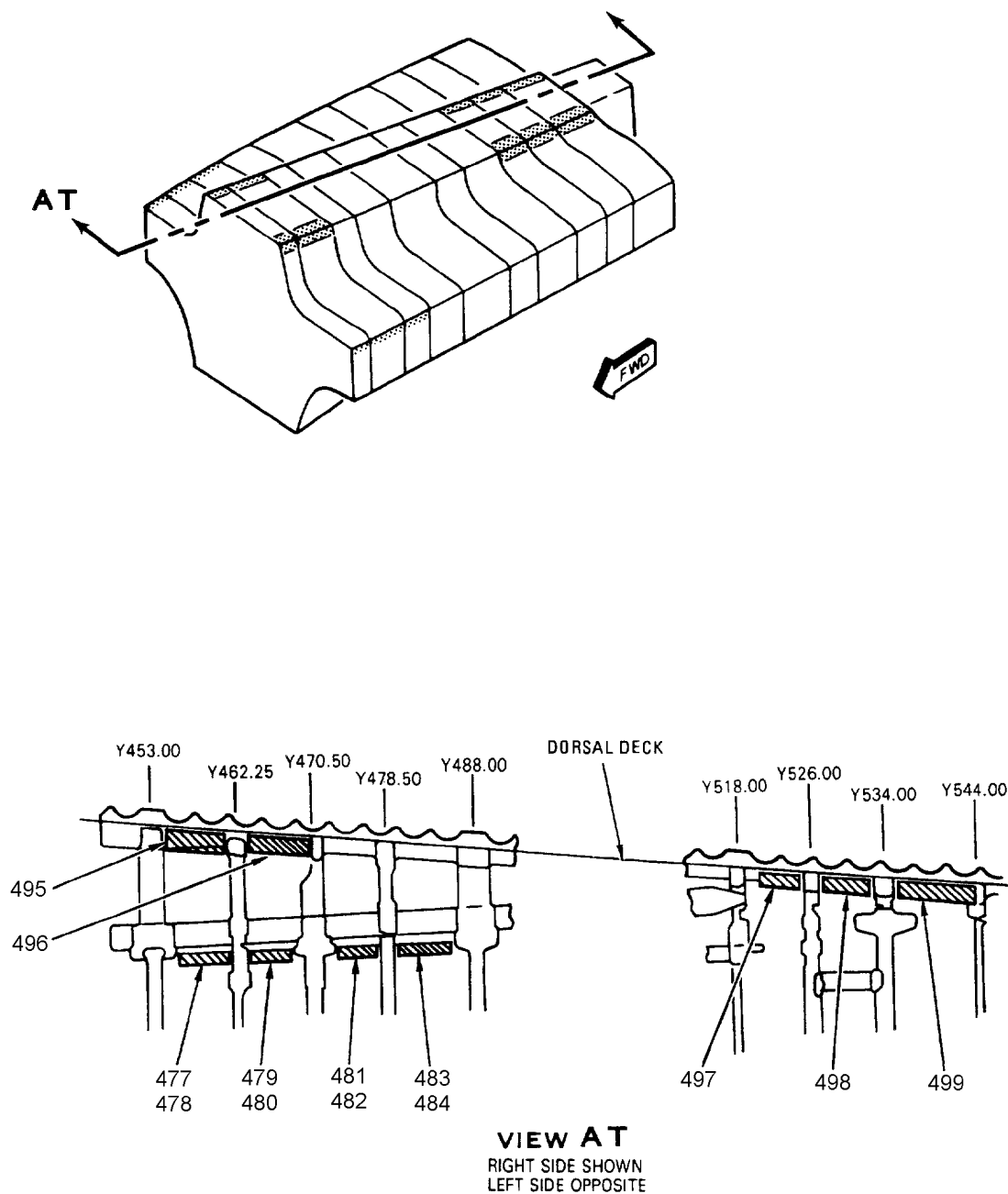


Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 4 FUEL TANK CAVITY FOAM FILLER -..... 161742 AND UP			
1	74A586400-3373 +	. FILLER (FOAM) (76301)	1		MGOZZ
2	74A586400-3377 +	. FILLER (FOAM) (76301)	1		MGOZZ
3	74A586400-3375 +	. FILLER (FOAM) (76301)	1		MGOZZ
4	74A586400-3379 +	. FILLER (FOAM) (76301)	1		MGOZZ
5	74A586400-3481 +	. FILLER (FOAM) (76301)	1		MGOZZ
6	74A586400-3384 +	. FILLER (FOAM) (76301)	2		MGOZZ
7	74A586400-3383 +	. FILLER (FOAM) (76301)	2		MGOZZ
8	74A586400-3393 +	. FILLER (FOAM) (76301)	1		MGOZZ
9	74A586400-3391 +	. FILLER (FOAM) (76301)	1		MGOZZ
10	74A5B6400-3400 +	. FILLER (FOAM) (76301)	2		MGOZZ
11	74A586400-3399 +	. FILLER (FOAM) (76301)	2		MGOZZ
12	74A586400-3357 +	. FILLER (FOAM) (76301)	1		MGOZZ
13	74A586400-3359 +	. FILLER (FOAM) (76301)	1		MGOZZ
14	74A586400-3361 +	. FILLER (FOAM) (76301)	1		MGOZZ
15	74A586400-3363 +	. FILLER (FOAM) (76301)	1		MGOZZ
16	74A586400-3445 +	. FILLER (FOAM) (76301)	1		MGOZZ
17	74A586400-3394 +	. FILLER (FOAM) (76301)	1		MGOZZ
18	74A586400-3412 +	. FILLER (FOAM) (76301)	1		MGOZZ
19	74A586400-3482 +	. FILLER (FOAM) (76301)	1		MGOZZ
20	74A586400-3380 +	. FILLER (FOAM) (76301)	1		MGOZZ
21	74A586400-3376 +	. FILLER (FOAM) (76301)	1		MGOZZ
22	74A586400-3378 +	. FILLER (FOAM) (76301)	1		MGOZZ
23	74A586400-3374 +	. FILLER (FOAM) (76301)	1		MGOZZ
24	74A586400-3370 +	. FILLER (FOAM) (76301)	1		MGOZZ
25	74A586400-3372 +	. FILLER (FOAM) (76301)	1		MGOZZ
26	74A586400-3420 +	. FILLER (FOAM) (76301)	1		MGOZZ
27	74A586400-3386 +	. FILLER (FOAM) (76301)	1		MGOZZ
28	74A586400-3388 +	. FILLER (FOAM) (76301)	1		MGOZZ
29	74A586400-3443 +	. FILLER (FOAM) (76301)	1		MGOZZ
30	74A586400-3396 +	. FILLER (FOAM) (76301)	1		MGOZZ
31	74A586400-3407 +	. FILLER (FOAM) (76301)	1		MGOZZ
32	74A586400-3437 +	. FILLER (FOAM) (76301)	1		MGOZZ
33	74A586400-3398 +	. FILLER (FOAM) (76301)	1		MGOZZ
34	74A586400-3353 +	. FILLER (FOAM) (76301)	1		MGOZZ
35	74A586400-3404 +	. FILLER (FOAM) (76301)	1		MGOZZ
36	74A586400-3351 +	. FILLER (FOAM) (76301)	1		MGOZZ
37	74A586400-3382 +	. FILLER (FOAM) (76301)	1		MGOZZ
38	74A586400-3405 +	. FILLER (FOAM) (76301)	1		MGOZZ
39	74A586400-3381 +	. FILLER (FOAM) (76301)	1		MGOZZ
40	74A586400-3403 +	. FILLER (FOAM) (76301)	1		MGOZZ
41	74A586400-3349 +	. FILLER (FOAM) (76301)	1		MGOZZ
42	74A586400-3347 +	. FILLER (FOAM) (76301)	1		MGOZZ
43	74A586400-3397 +	. FILLER (FOAM) (76301)	1		MGOZZ
44	74A586400-3439 +	. FILLER (FOAM) (76301)	1		MGOZZ
45	74A586400-3401 +	. FILLER (FOAM) (76301)	1		MGOZZ
46	74A586400-3395 +	. FILLER (FOAM) (76301)	1		MGOZZ
47	74A586400-3447 +	. FILLER (FOAM) (76301)	1		MGOZZ
48	74A586400-3387 +	. FILLER (FOAM) (76301)	1		MGOZZ
49	74A586400-3385 +	. FILLER (FOAM) (76301)	1		MGOZZ
50	74A586400-3419 +	. FILLER (FOAM) (76301)	1		MGOZZ
51	74A586400-3371 +	. FILLER (FOAM) (76301)	1		MGOZZ
52	74A586400-3369 +	. FILLER (FOAM) (76301)	1		MGOZZ
53	74A586400-3411 +	. FILLER (FOAM) (76301)	1		MGOZZ
54	74A586400-3228 +	. FILLER (FOAM) (76301)	1		MGOZZ
55	74A586400-3226 +	. FILLER (FOAM) (76301)	1		MGOZZ
56	74A586400-3224 +	. FILLER (FOAM) (76301)	1		MGOZZ
57	74A586400-3220 +	. FILLER (FOAM) (76301)	1		MGOZZ
58	74A586400-3218 +	. FILLER (FOAM) (76301)	1		MGOZZ
59	74A586400-3216 +	. FILLER (FOAM) (76301)	1		MGOZZ
60	74A586400-3215 +	. FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 24)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
61	74A586400-3217 +	.						FILLER (FOAM) (76301)	1		MGOZZ
62	74A586400-3219 +	.						FILLER (FOAM) (76301)	1		MGOZZ
63	74A586400-3223 +	.						FILLER (FOAM) (76301)	1		MGOZZ
64	74A586400-3225 +	.						FILLER (FOAM) (76301)	1		MGOZZ
65	74A586400-3227 +	.						FILLER (FOAM) (76301)	1		MGOZZ
66	74A586400-3229 +	.						FILLER (FOAM) (76301)	1		MGOZZ
67	74A586400-3231 +	.						FILLER (FOAM) (76301)	1		MGOZZ
68	74A586400-3233 +	.						FILLER (FOAM) (76301)	1		MGOZZ
69	74A586400-3235 +	.						FILLER (FOAM) (76301)	1		MGOZZ
70	74A586400-3237 +	.						FILLER (FOAM) (76301)	1		MGOZZ
71	74A586400-3239 +	.						FILLER (FOAM) (76301)	1		MGOZZ
72	74A586400-3241 +	.						FILLER (FOAM) (76301)	1		MGOZZ
73	74A586400-3242 +	.						FILLER (FOAM) (76301)	1		MGOZZ
74	74A586400-3240 +	.						FILLER (FOAM) (76301)	1		MGOZZ
75	74A586400-3238 +	.						FILLER (FOAM) (76301)	1		MGOZZ
76	74A586400-3236 +	.						FILLER (FOAM) (76301)	1		MGOZZ
77	74A586400-3234 +	.						FILLER (FOAM) (76301)	1		MGOZZ
78	74A586400-3232 +	.						FILLER (FOAM) (76301)	1		MGOZZ
79	74A586400-3230 +	.						FILLER (FOAM) (76301)	1		MGOZZ
80	74A586400-3189 +	.						FILLER (FOAM) (76301)	1		MGOZZ
81	74A586400-3191 +	.						FILLER (FOAM) (76301)	1		MGOZZ
82	74A586400-3193 +	.						FILLER (FOAM) (76301)	1		MGOZZ
83	74A586400-3195 +	.						FILLER (FOAM) (76301)	1		MGOZZ
84	74A586400-3197 +	.						FILLER (FOAM) (76301)	1		MGOZZ
85	74A586400-3198 +	.						FILLER (FOAM) (76301)	1		MGOZZ
86	74A586400-3196 +	.						FILLER (FOAM) (76301)	1		MGOZZ
87	74A586400-3194 +	.						FILLER (FOAM) (76301)	1		MGOZZ
88	74A586400-3192 +	.						FILLER (FOAM) (76301)	1		MGOZZ
89	74A586400-3190 +	.						FILLER (FOAM) (76301)	1		MGOZZ
90	74A586400-3202 +	.						FILLER (FOAM) (76301)	1		MGOZZ
91	74A586400-3206 +	.						FILLER (FOAM) (76301)	1		MGOZZ
92	74A586400-3208 +	.						FILLER (FOAM) (76301)	1		MGOZZ
93	74A586400-3210 +	.						FILLER (FOAM) (76301)	1		MGOZZ
94	74A586400-3212 +	.						FILLER (FOAM) (76301)	1		MGOZZ
95	74A586400-3214 +	.						FILLER (FOAM) (76301)	1		MGOZZ
96	74A586400-3213 +	.						FILLER (FOAM) (76301)	1		MGOZZ
97	74A586400-3211 +	.						FILLER (FOAM) (76301)	1		MGOZZ
98	74A586400-3209 +	.						FILLER (FOAM) (76301)	1		MGOZZ
99	74A586400-3207 +	.						FILLER (FOAM) (76301)	1		MGOZZ
100	74A586400-3205 +	.						FILLER (FOAM) (76301)	1		MGOZZ
101	74A586400-3201 +	.						FILLER (FOAM) (76301)	1		MGOZZ
102	74A586400-2303 +	.						FILLER (FOAM) (76301)	1		MGOZZ
103	74A586400-2301 +	.						FILLER (FOAM) (76301)	1		MGOZZ
104	74A586400-2299 +	.						FILLER (FOAM) (76301)	1		MGOZZ
105	74A586400-3423 +	.						FILLER (FOAM) (76301)	1		MGOZZ
106	74A586400-2295 +	.						FILLER (FOAM) (76301)	2		MGOZZ
107	74A586400-3421 +	.						FILLER (FOAM) (76301)	1		MGOZZ
108	74A586400-2291 +	.						FILLER (FOAM) (76301)	1		MGOZZ
109	74A586400-2287 +	.						FILLER (FOAM) (76301)	1		MGOZZ
110	74A586400-2285 +	.						FILLER (FOAM) (76301)	1		MGOZZ
111	74A586400-2281 +	.						FILLER (FOAM) (76301)	1		MGOZZ
112	74A586400-2279 +	.						FILLER (FOAM) (76301)	1		MGOZZ
113	74A586400-3424 +	.						FILLER (FOAM) (76301)	1		MGOZZ
114	74A586400-2273 +	.						FILLER (FOAM) (76301)	1		MGOZZ
115	74A586400-2271 +	.						FILLER (FOAM) (76301)	1		MGOZZ
116	74A586400-2269 +	.						FILLER (FOAM) (76301)	1		MGOZZ
117	74A586400-2267 +	.						FILLER (FOAM) (76301)	1		MGOZZ
118	74A586400-2265 +	.						FILLER (FOAM) (76301)	1		MGOZZ
119	74A586400-3426 +	.						FILLER (FOAM) (76301)	1		MGOZZ
120	74A586400-2263 +	.						FILLER (FOAM) (76301)	1		MGOZZ
121	74A586400-2261 +	.						FILLER (FOAM) (76301)	1		MGOZZ
122	74A586400-2259 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 25)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
123	74A586400-2257 +	.						FILLER (FOAM) (76301)	1		MGOZZ
124	74A586400-2907 +	.						FILLER (FOAM) (76301)	1		MGOZZ
125	74A586400-2275 +	.						FILLER (FOAM) (76301)	1		MGOZZ
126	74A586400-2277 +	.						FILLER (FOAM) (76301)	1		MGOZZ
127	74A586400-2283 +	.						FILLER (FOAM) (76301)	1		MGOZZ
128	74A586400-2289 +	.						FILLER (FOAM) (76301)	1		MGOZZ
129	74A586400-2293 +	.						FILLER (FOAM) (76301)	1		MGOZZ
130	74A586400-2297 +	.						FILLER (FOAM) (76301)	1		MGOZZ
131	74A586400-2905 +	.						FILLER (FOAM) (76301)	1		MGOZZ
132	74A586400-2315 +	.						FILLER (FOAM) (76301)	1		MGOZZ
133	74A586400-2313 +	.						FILLER (FOAM) (76301)	1		MGOZZ
134	74A586400-2311 +	.						FILLER (FOAM) (76301)	1		MGOZZ
135	74A586400-2309 +	.						FILLER (FOAM) (76301)	1		MGOZZ
136	74A586400-3425 +	.						FILLER (FOAM) (76301)	1		MGOZZ
137	74A586400-2307 +	.						FILLER (FOAM) (76301)	1		MGOZZ
138	74A586400-2305 +	.						FILLER (FOAM) (76301)	1		MGOZZ
139	74A586400-2117 +	.						FILLER (FOAM) (76301)	1		MGOZZ
140	74A586400-3423 +	.						FILLER (FOAM) (76301)	1		MGOZZ
141	74A586400-2119 +	.						FILLER (FOAM) (76301)	1		MGOZZ
142	74A586400-2121 +	.						FILLER (FOAM) (76301)	1		MGOZZ
143	74A586400-2113 +	.						FILLER (FOAM) (76301)	1		MGOZZ
144	74A586400-2109 +	.						FILLER (FOAM) (76301)	1		MGOZZ
145	74A586400-2103 +	.						FILLER (FOAM) (76301)	1		MGOZZ
146	74A586400-2101 +	.						FILLER (FOAM) (76301)	1		MGOZZ
147	74A586400-3471 +	.						FILLER (FOAM) (76301)	1		MGOZZ
148	74A586400-2097 +	.						FILLER (FOAM) (76301)	1		MGOZZ
149	74A586400-2095 +	.						FILLER (FOAM) (76301)	1		MGOZZ
150	74A586400-2089 +	.						FILLER (FOAM) (76301)	1		MGOZZ
151	74A586400-2085 +	.						FILLER (FOAM) (76301)	1		MGOZZ
152	74A586400-2083 +	.						FILLER (FOAM) (76301)	1		MGOZZ
153	74A586400-2079 +	.						FILLER (FOAM) (76301)	1		MGOZZ
154	74A586400-3424 +	.						FILLER (FOAM) (76301)	1		MGOZZ
155	74A586400-2077 +	.						FILLER (FOAM) (76301)	1		MGOZZ
156	74A586400-2075 +	.						FILLER (FOAM) (76301)	1		MGOZZ
157	74A586400-3426 +	.						FILLER (FOAM) (76301)	1		MGOZZ
158	74A586400-2073 +	.						FILLER (FOAM) (76301)	1		MGOZZ
159	74A586400-2071 +	.						FILLER (FOAM) (76301)	1		MGOZZ
160	74A586400-2069 +	.						FILLER (FOAM) (76301)	1		MGOZZ
161	74A586400-2067 +	.						FILLER (FOAM) (76301)	1		MGOZZ
162	74A586400-2065 +	.						FILLER (FOAM) (76301)	1		MGOZZ
163	74A586400-2063 +	.						FILLER (FOAM) (76301)	1		MGOZZ
164	74A586400-2081 +	.						FILLER (FOAM) (76301)	1		MGOZZ
165	74A586400-2087 +	.						FILLER (FOAM) (76301)	1		MGOZZ
166	74A586400-2093 +	.						FILLER (FOAM) (76301)	1		MGOZZ
167	74A586400-2091 +	.						FILLER (FOAM) (76301)	1		MGOZZ
168	74A586400-2109 +	.						FILLER (FOAM) (76301)	1		MGOZZ
169	74A586400-2105 +	.						FILLER (FOAM) (76301)	1		MGOZZ
170	74A586400-2111 +	.						FILLER (FOAM) (76301)	1		MGOZZ
171	74A586400-2115 +	.						FILLER (FOAM) (76301)	1		MGOZZ
172	74A586400-2135 +	.						FILLER (FOAM) (76301)	1		MGOZZ
173	74A586400-2133 +	.						FILLER (FOAM) (76301)	1		MGOZZ
174	74A586400-2131 +	.						FILLER (FOAM) (76301)	1		MGOZZ
175	74A586400-2129 +	.						FILLER (FOAM) (76301)	1		MGOZZ
176	74A586400-2127 +	.						FILLER (FOAM) (76301)	1		MGOZZ
177	74A586400-2125 +	.						FILLER (FOAM) (76301)	1		MGOZZ
178	74A586400-3425 +	.						FILLER (FOAM) (76301)	1		MGOZZ
179	74A586400-2123 +	.						FILLER (FOAM) (76301)	1		MGOZZ
180	74A586400-3288 +	.						FILLER (FOAM) (76301)	1		MGOZZ
181	74A586400-3286 +	.						FILLER (FOAM) (76301)	1		MGOZZ
182	74A586400-3282 +	.						FILLER (FOAM) (76301)	1		MGOZZ
183	74A586400-3280 +	.						FILLER (FOAM) (76301)	1		MGOZZ
184	74A586400-3278 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 26)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
185	74A586400-3276 +	.						FILLER (FOAM) (76301)	1		MGOZZ
186	74A586400-3271 +	.						FILLER (FOAM) (76301)	1		MGOZZ
187	74A586400-3275 +	.						FILLER (FOAM) (76301)	1		MGOZZ
188	74A586400-3277 +	.						FILLER (FOAM) (76301)	1		MGOZZ
189	74A586400-3279 +	.						FILLER (FOAM) (76301)	1		MGOZZ
190	74A586400-3281 +	.						FILLER (FOAM) (76301)	1		MGOZZ
191	74A586400-3285 +	.						FILLER (FOAM) (76301)	1		MGOZZ
192	74A586400-3287 +	.						FILLER (FOAM) (76301)	1		MGOZZ
193	74A586400-3259 +	.						FILLER (FOAM) (76301)	1		MGOZZ
194	74A586400-3257 +	.						FILLER (FOAM) (76301)	1		MGOZZ
195	74A586400-3255 +	.						FILLER (FOAM) (76301)	1		MGOZZ
196	74A586400-3253 +	.						FILLER (FOAM) (76301)	1		MGOZZ
197	74A586400-3247 +	.						FILLER (FOAM) (76301)	1		MGOZZ
198	74A586400-3245 +	.						FILLER (FOAM) (76301)	1		MGOZZ
199	74A586400-3243 +	.						FILLER (FOAM) (76301)	1		MGOZZ
200	74A586400-3246 +	.						FILLER (FOAM) (76301)	1		MGOZZ
201	74A586400-3248 +	.						FILLER (FOAM) (76301)	1		MGOZZ
202	74A586400-3254 +	.						FILLER (FOAM) (76301)	1		MGOZZ
203	74A586400-3256 +	.						FILLER (FOAM) (76301)	1		MGOZZ
204	74A586400-3258 +	.						FILLER (FOAM) (76301)	1		MGOZZ
205	74A586400-3260 +	.						FILLER (FOAM) (76301)	1		MGOZZ
206	74A586400-3262 +	.						FILLER (FOAM) (76301)	1		MGOZZ
207	74A586400-3264 +	.						FILLER (FOAM) (76301)	1		MGOZZ
208	74A586400-3266 +	.						FILLER (FOAM) (76301)	1		MGOZZ
209	74A586400-3268 +	.						FILLER (FOAM) (76301)	1		MGOZZ
210	74A586400-3270 +	.						FILLER (FOAM) (76301)	1		MGOZZ
211	74A586400-3269 +	.						FILLER (FOAM) (76301)	1		MGOZZ
212	74A586400-3267 +	.						FILLER (FOAM) (76301)	1		MGOZZ
213	74A586400-3265 +	.						FILLER (FOAM) (76301)	1		MGOZZ
214	74A586400-3263 +	.						FILLER (FOAM) (76301)	1		MGOZZ
215	74A586400-3261 +	.						FILLER (FOAM) (76301)	1		MGOZZ
216	74A586400-2235 +	.						FILLER (FOAM) (76301)	1		MGOZZ
217	74A586400-2231 +	.						FILLER (FOAM) (76301)	1		MGOZZ
218	74A586400-2233 +	.						FILLER (FOAM) (76301)	1		MGOZZ
219	74A586400-2229 +	.						FILLER (FOAM) (76301)	1		MGOZZ
220	74A586400-3429 +	.						FILLER (FOAM) (76301)	1		MGOZZ
221	74A586400-2225 +	.						FILLER (FOAM) (76301)	1		MGOZZ
222	74A586400-3427 +	.						FILLER (FOAM) (76301)	1		MGOZZ
223	74A586400-2221 +	.						FILLER (FOAM) (76301)	1		MGOZZ
224	74A586400-2217 +	.						FILLER (FOAM) (76301)	1		MGOZZ
225	74A586400-3475 +	.						FILLER (FOAM) (76301)	1		MGOZZ
226	74A586400-2215 +	.						FILLER (FOAM) (76301)	1		MGOZZ
227	74A586400-2211 +	.						FILLER (FOAM) (76301)	1		MGOZZ
228	74A586400-3428 +	.						FILLER (FOAM) (76301)	1		MGOZZ
229	74A586400-2207 +	.						FILLER (FOAM) (76301)	1		MGOZZ
230	74A586400-2203 +	.						FILLER (FOAM) (76301)	1		MGOZZ
231	74A586400-2193 +	.						FILLER (FOAM) (76301)	1		MGOZZ
232	74A586400-2201 +	.						FILLER (FOAM) (76301)	1		MGOZZ
233	74A586400-3430 +	.						FILLER (FOAM) (76301)	1		MGOZZ
234	74A586400-2199 +	.						FILLER (FOAM) (76301)	1		MGOZZ
235	74A586400-2237 +	.						FILLER (FOAM) (76301)	1		MGOZZ
236	74A586400-3431 +	.						FILLER (FOAM) (76301)	1		MGOZZ
237	74A586400-3433 +	.						FILLER (FOAM) (76301)	1		MGOZZ
238	74A586400-2195 +	.						FILLER (FOAM) (76301)	1		MGOZZ
239	74A586400-3367 +	.						FILLER (FOAM) (76301)	1		MGOZZ
240	74A586400-2205 +	.						FILLER (FOAM) (76301)	1		MGOZZ
241	74A586400-3436 +	.						FILLER (FOAM) (76301)	1		MGOZZ
242	74A586400-2191 +	.						FILLER (FOAM) (76301)	1		MGOZZ
243	74A586400-2189 +	.						FILLER (FOAM) (76301)	1		MGOZZ
244	74A586400-2187 +	.						FILLER (FOAM) (76301)	1		MGOZZ
245	74A586400-2185 +	.						FILLER (FOAM) (76301)	1		MGOZZ
246	74A586400-2183 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
247	74A586400-2181 +	.						FILLER (FOAM) (76301)	1		MGOZZ
248	74A586400-2209 +	.						FILLER (FOAM) (76301)	1		MGOZZ
249	74A586400-2213 +	.						FILLER (FOAM) (76301)	1		MGOZZ
250	74A586400-2219 +	.						FILLER (FOAM) (76301)	1		MGOZZ
251	74A586400-2223 +	.						FILLER (FOAM) (76301)	1		MGOZZ
252	74A586400-2251 +	.						FILLER (FOAM) (76301)	1		MGOZZ
253	74A586400-2249 +	.						FILLER (FOAM) (76301)	1		MGOZZ
254	74A586400-2247 +	.						FILLER (FOAM) (76301)	1		MGOZZ
255	74A586400-2245 +	.						FILLER (FOAM) (76301)	1		MGOZZ
256	74A586400-2243 +	.						FILLER (FOAM) (76301)	1		MGOZZ
257	74A586400-2241 +	.						FILLER (FOAM) (76301)	1		MGOZZ
258	74A586400-2227 +	.						FILLER (FOAM) (76301)	1		MGOZZ
259	74A586400-3435 +	.						FILLER (FOAM) (76301)	1		MGOZZ
260	74A586400-3365 +	.						FILLER (FOAM) (76301)	1		MGOZZ
261	74A586400-3434 +	.						FILLER (FOAM) (76301)	1		MGOZZ
262	74A586400-2239 +	.						FILLER (FOAM) (76301)	1		MGOZZ
263	74A586400-3432 +	.						FILLER (FOAM) (76301)	1		MGOZZ
264	74A586400-2197 +	.						FILLER (FOAM) (76301)	1		MGOZZ
265	74A586400-2045 +	.						FILLER (FOAM) (76301)	1		MGOZZ
266	74A586400-2043 +	.						FILLER (FOAM) (76301)	1		MGOZZ
267	74A586400-2037 +	.						FILLER (FOAM) (76301)	1		MGOZZ
268	74A586400-2033 +	.						FILLER (FOAM) (76301)	1		MGOZZ
269	74A586400-3473 +	.						FILLER (FOAM) (76301)	1		MGOZZ
270	74A586400-2001 +	.						FILLER (FOAM) (76301)	1		MGOZZ
271	74A586400-2005 +	.						FILLER (FOAM) (76301)	1		MGOZZ
272	74A586400-2011 +	.						FILLER (FOAM) (76301)	1		MGOZZ
273	74A586400-2013 +	.						FILLER (FOAM) (76301)	1		MGOZZ
274	74A586400-2015 +	.						FILLER (FOAM) (76301)	1		MGOZZ
275	74A586400-3484 +	.						FILLER (FOAM) (76301)	1		MGOZZ
276	74A586400-3434 +	.						FILLER (FOAM) (76301)	1		MGOZZ
277	74A586400-3436 +	.						FILLER (FOAM) (76301)	1		MGOZZ
278	74A586400-2019 +	.						FILLER (FOAM) (76301)	1		MGOZZ
279	74A586400-2021 +	.						FILLER (FOAM) (76301)	1		MGOZZ
280	74A586400-2023 +	.						FILLER (FOAM) (76301)	1		MGOZZ
281	74A586400-2025 +	.						FILLER (FOAM) (76301)	1		MGOZZ
282	74A586400-2003 +	.						FILLER (FOAM) (76301)	1		MGOZZ
283	74A586400-2027 +	.						FILLER (FOAM) (76301)	1		MGOZZ
284	74A586400-2029 +	.						FILLER (FOAM) (76301)	1		MGOZZ
285	74A586400-2009 +	.						FILLER (FOAM) (76301)	1		MGOZZ
286	74A586400-2007 +	.						FILLER (FOAM) (76301)	1		MGOZZ
287	74A586400-2039 +	.						FILLER (FOAM) (76301)	1		MGOZZ
288	74A586400-2041 +	.						FILLER (FOAM) (76301)	1		MGOZZ
289	74A586400-2061 +	.						FILLER (FOAM) (76301)	1		MGOZZ
290	74A586400-2059 +	.						FILLER (FOAM) (76301)	1		MGOZZ
291	74A586400-2035 +	.						FILLER (FOAM) (76301)	1		MGOZZ
292	74A586400-2057 +	.						FILLER (FOAM) (76301)	1		MGOZZ
293	74A586400-2055 +	.						FILLER (FOAM) (76301)	1		MGOZZ
294	74A586400-2053 +	.						FILLER (FOAM) (76301)	1		MGOZZ
295	74A586400-2051 +	.						FILLER (FOAM) (76301)	1		MGOZZ
296	74A586400-3435 +	.						FILLER (FOAM) (76301)	1		MGOZZ
297	74A586400-3433 +	.						FILLER (FOAM) (76301)	1		MGOZZ
298	74A586400-3483 +	.						FILLER (FOAM) (76301)	1		MGOZZ
299	74A586400-2047 +	.						FILLER (FOAM) (76301)	1		MGOZZ
300	74A586400-3038 +	.						FILLER (FOAM) (76301)	1		MGOZZ
301	74A586400-3036 +	.						FILLER (FOAM) (76301)	1		MGOZZ
302	74A586400-3034 +	.						FILLER (FOAM) (76301)	1		MGOZZ
303	74A586400-3032 +	.						FILLER (FOAM) (76301)	1		MGOZZ
304	74A586400-3030 +	.						FILLER (FOAM) (76301)	1		MGOZZ
305	74A586400-3028 +	.						FILLER (FOAM) (76301)	1		MGOZZ
306	74A586400-3026 +	.						FILLER (FOAM) (76301)	1		MGOZZ
307	74A586400-3024 +	.						FILLER (FOAM) (76301)	1		MGOZZ
308	74A586400-3021 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 28)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
309	74A586400-3023 +	.						FILLER (FOAM) (76301)	1		MGOZZ
310	74A586400-3025 +	.						FILLER (FOAM) (76301)	1		MGOZZ
311	74A586400-3027 +	.						FILLER (FOAM) (76301)	1		MGOZZ
312	74A586400-3029 +	.						FILLER (FOAM) (76301)	1		MGOZZ
313	74A586400-3031 +	.						FILLER (FOAM) (76301)	1		MGOZZ
314	74A586400-3033 +	.						FILLER (FOAM) (76301)	1		MGOZZ
315	74A586400-3035 +	.						FILLER (FOAM) (76301)	1		MGOZZ
316	74A586400-3037 +	.						FILLER (FOAM) (76301)	1		MGOZZ
317	74A586400-3079 +	.						FILLER (FOAM) (76301)	1		MGOZZ
318	74A586400-3075 +	.						FILLER (FOAM) (76301)	1		MGOZZ
319	74A586400-3073 +	.						FILLER (FOAM) (76301)	1		MGOZZ
320	74A586400-3071 +	.						FILLER (FOAM) (76301)	1		MGOZZ
321	74A586400-3074 +	.						FILLER (FOAM) (76301)	1		MGOZZ
322	74A586400-3076 +	.						FILLER (FOAM) (76301)	1		MGOZZ
323	74A586400-3080 +	.						FILLER (FOAM) (76301)	1		MGOZZ
324	74A586400-3012 +	.						FILLER (FOAM) (76301)	1		MGOZZ
325	74A586400-3014 +	.						FILLER (FOAM) (76301)	1		MGOZZ
326	74A586400-3016 +	.						FILLER (FOAM) (76301)	1		MGOZZ
327	74A586400-3018 +	.						FILLER (FOAM) (76301)	1		MGOZZ
328	74A586400-3020 +	.						FILLER (FOAM) (76301)	1		MGOZZ
329	74A586400-3019 +	.						FILLER (FOAM) (76301)	1		MGOZZ
330	74A586400-3017 +	.						FILLER (FOAM) (76301)	1		MGOZZ
331	74A586400-3015 +	.						FILLER (FOAM) (76301)	1		MGOZZ
332	74A586400-3013 +	.						FILLER (FOAM) (76301)	1		MGOZZ
333	74A586400-3011 +	.						FILLER (FOAM) (76301)	1		MGOZZ
334	74A586400-3060 +	.						FILLER (FOAM) (76301)	1		MGOZZ
335	74A586400-3062 +	.						FILLER (FOAM) (76301)	1		MGOZZ
336	74A586400-3064 +	.						FILLER (FOAM) (76301)	1		MGOZZ
337	74A586400-3066 +	.						FILLER (FOAM) (76301)	1		MGOZZ
338	74A586400-3068 +	.						FILLER (FOAM) (76301)	1		MGOZZ
339	74A586400-3067 +	.						FILLER (FOAM) (76301)	1		MGOZZ
340	74A586400-3065 +	.						FILLER (FOAM) (76301)	1		MGOZZ
341	74A586400-3063 +	.						FILLER (FOAM) (76301)	1		MGOZZ
342	74A586400-3061 +	.						FILLER (FOAM) (76301)	1		MGOZZ
343	74A586400-3059 +	.						FILLER (FOAM) (76301)	1		MGOZZ
344	74A586400-3453 +	.						FILLER (FOAM) (76301)	1		MGOZZ
345	74A586400-3455 +	.						FILLER (FOAM) (76301)	1		MGOZZ
346	74A586400-3049 +	.						FILLER (FOAM) (76301)	1		MGOZZ
347	74A586400-3051 +	.						FILLER (FOAM) (76301)	1		MGOZZ
348	74A586400-3053 +	.						FILLER (FOAM) (76301)	1		MGOZZ
349	74A586400-3054 +	.						FILLER (FOAM) (76301)	1		MGOZZ
350	74A586400-3052 +	.						FILLER (FOAM) (76301)	1		MGOZZ
351	74A586400-3050 +	.						FILLER (FOAM) (76301)	1		MGOZZ
352	74A586400-3048 +	.						FILLER (FOAM) (76301)	1		MGOZZ
353	74A586400-3046 +	.						FILLER (FOAM) (76301)	1		MGOZZ
354	74A586400-3044 +	.						FILLER (FOAM) (76301)	1		MGOZZ
355	74A586400-3042 +	.						FILLER (FOAM) (76301)	1		MGOZZ
356	74A586400-3040 +	.						FILLER (FOAM) (76301)	1		MGOZZ
357	74A586400-3039 +	.						FILLER (FOAM) (76301)	1		MGOZZ
358	74A586400-3041 +	.						FILLER (FOAM) (76301)	1		MGOZZ
359	74A586400-3043 +	.						FILLER (FOAM) (76301)	1		MGOZZ
360	74A586400-3045 +	.						FILLER (FOAM) (76301)	1		MGOZZ
361	74A586400-3047 +	.						FILLER (FOAM) (76301)	1		MGOZZ
362	74A586400-3102 +	.						FILLER (FOAM) (76301)	1		MGOZZ
363	74A586400-3104 +	.						FILLER (FOAM) (76301)	1		MGOZZ
364	74A586400-3106 +	.						FILLER (FOAM) (76301)	1		MGOZZ
365	74A586400-3108 +	.						FILLER (FOAM) (76301)	1		MGOZZ
366	74A586400-3110 +	.						FILLER (FOAM) (76301)	1		MGOZZ
367	74A586400-3112 +	.						FILLER (FOAM) (76301)	1		MGOZZ
368	74A586400-3114 +	.						FILLER (FOAM) (76301)	1		MGOZZ
369	74A586400-3116 +	.						FILLER (FOAM) (76301)	1		MGOZZ
370	74A586400-3118 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 29)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
371	74A586400-3117 +	.						FILLER (FOAM) (76301)	1		MGOZZ
372	74A586400-3115 +	.						FILLER (FOAM) (76301)	1		MGOZZ
373	74A586400-3113 +	.						FILLER (FOAM) (76301)	1		MGOZZ
374	74A586400-3111 +	.						FILLER (FOAM) (76301)	1		MGOZZ
375	74A586400-3109 +	.						FILLER (FOAM) (76301)	1		MGOZZ
376	74A586400-3107 +	.						FILLER (FOAM) (76301)	1		MGOZZ
377	74A586400-3105 +	.						FILLER (FOAM) (76301)	1		MGOZZ
378	74A586400-3103 +	.						FILLER (FOAM) (76301)	1		MGOZZ
379	74A586400-3101 +	.						FILLER (FOAM) (76301)	1		MGOZZ
380	74A586400-3009 +	.						FILLER (FOAM) (76301)	1		MGOZZ
381	74A586400-3007 +	.						FILLER (FOAM) (76301)	1		MGOZZ
382	74A586400-3005 +	.						FILLER (FOAM) (76301)	1		MGOZZ
383	74A586400-3003 +	.						FILLER (FOAM) (76301)	1		MGOZZ
384	74A586400-3008 +	.						FILLER (FOAM) (76301)	1		MGOZZ
385	74A586400-3010 +	.						FILLER (FOAM) (76301)	1		MGOZZ
386	74A586400-3450 +	.						FILLER (FOAM) (76301)	1		MGOZZ
387	74A586400-3088 +	.						FILLER (FOAM) (76301)	1		MGOZZ
388	74A586400-3086 +	.						FILLER (FOAM) (76301)	1		MGOZZ
389	74A586400-3084 +	.						FILLER (FOAM) (76301)	1		MGOZZ
390	74A586400-3082 +	.						FILLER (FOAM) (76301)	1		MGOZZ
391	74A586400-3081 +	.						FILLER (FOAM) (76301)	1		MGOZZ
392	74A586400-3083 +	.						FILLER (FOAM) (76301)	1		MGOZZ
393	74A586400-3085 +	.						FILLER (FOAM) (76301)	1		MGOZZ
394	74A586400-3087 +	.						FILLER (FOAM) (76301)	1		MGOZZ
395	74A586400-3449 +	.						FILLER (FOAM) (76301)	1		MGOZZ
396	74A586660-2283	.						INSULATOR (76301)	5		XBOZZ
397	74A586400-3409 +	.						FILLER (FOAM) (76301)	1		MGOZZ
398	74A586400-3410 +	.						FILLER (FOAM) (76301)	1		MGOZZ
399	74A586400-3081 +	.						FILLER (FOAM) (76301)	1		MGOZZ
400	74A586400-3082 +	.						FILLER (FOAM) (76301)	1		MGOZZ
401	74A586400-3130 +	.						FILLER (FOAM) (76301)	1		MGOZZ
402	74A586400-3132 +	.						FILLER (FOAM) (76301)	1		MGOZZ
403	74A586400-3134 +	.						FILLER (FOAM) (76301)	1		MGOZZ
404	74A586400-3136 +	.						FILLER (FOAM) (76301)	1		MGOZZ
405	74A586400-3138 +	.						FILLER (FOAM) (76301)	1		MGOZZ
406	74A586400-3140 +	.						FILLER (FOAM) (76301)	1		MGOZZ
407	74A586400-3142 +	.						FILLER (FOAM) (76301)	1		MGOZZ
408	74A586400-3141 +	.						FILLER (FOAM) (76301)	1		MGOZZ
409	74A586400-3139 +	.						FILLER (FOAM) (76301)	1		MGOZZ
410	74A586400-3137 +	.						FILLER (FOAM) (76301)	1		MGOZZ
411	74A586400-3135 +	.						FILLER (FOAM) (76301)	1		MGOZZ
412	74A586400-3133 +	.						FILLER (FOAM) (76301)	1		MGOZZ
413	74A586400-3131 +	.						FILLER (FOAM) (76301)	1		MGOZZ
414	74A586400-3129 +	.						FILLER (FOAM) (76301)	1		MGOZZ
415	74A586400-3119 +	.						FILLER (FOAM) (76301)	1		MGOZZ
416	74A586400-3121 +	.						FILLER (FOAM) (76301)	1		MGOZZ
417	74A586400-3123 +	.						FILLER (FOAM) (76301)	1		MGOZZ
418	74A586400-3125 +	.						FILLER (FOAM) (76301)	1		MGOZZ
419	74A586400-3127 +	.						FILLER (FOAM) (76301)	1		MGOZZ
420	74A586400-3128 +	.						FILLER (FOAM) (76301)	1		MGOZZ
421	74A586400-3126 +	.						FILLER (FOAM) (76301)	1		MGOZZ
422	74A586400-3124 +	.						FILLER (FOAM) (76301)	1		MGOZZ
423	74A586400-3122 +	.						FILLER (FOAM) (76301)	1		MGOZZ
424	74A586400-3120 +	.						FILLER (FOAM) (76301)	1		MGOZZ
425	74A586400-3164 +	.						FILLER (FOAM) (76301)	1		MGOZZ
426	74A586400-3166 +	.						FILLER (FOAM) (76301)	1		MGOZZ
427	74A586400-3168 +	.						FILLER (FOAM) (76301)	1		MGOZZ
428	74A586400-3170 +	.						FILLER (FOAM) (76301)	1		MGOZZ
429	74A586400-3172 +	.						FILLER (FOAM) (76301)	1		MGOZZ
430	74A586400-3173 +	.						FILLER (FOAM) (76301)	1		MGOZZ
431	74A586400-3171 +	.						FILLER (FOAM) (76301)	1		MGOZZ
432	74A586400-3169 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 30)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
433	74A586400-3167 +	.						FILLER (FOAM) (76301)	1		MGOZZ
434	74A586400-3165 +	.						FILLER (FOAM) (76301)	1		MGOZZ
435	74A586400-3163 +	.						FILLER (FOAM) (76301)	1		MGOZZ
436	74A586400-3461 +	.						FILLER (FOAM) (76301)	1		MGOZZ
437	74A586400-3153 +	.						FILLER (FOAM) (76301)	1		MGOZZ
438	74A586400-3155 +	.						FILLER (FOAM) (76301)	1		MGOZZ
439	74A586400-3157 +	.						FILLER (FOAM) (76301)	1		MGOZZ
440	74A586400-3159 +	.						FILLER (FOAM) (76301)	1		MGOZZ
441	74A586400-3161 +	.						FILLER (FOAM) (76301)	1		MGOZZ
442	74A586400-3162 +	.						FILLER (FOAM) (76301)	1		MGOZZ
443	74A586400-3160 +	.						FILLER (FOAM) (76301)	1		MGOZZ
444	74A586400-3158 +	.						FILLER (FOAM) (76301)	1		MGOZZ
445	74A586400-3156 +	.						FILLER (FOAM) (76301)	1		MGOZZ
446	74A586400-3154 +	.						FILLER (FOAM) (76301)	1		MGOZZ
447	74A586400-3151 +	.						FILLER (FOAM) (76301)	1		MGOZZ
448	74A586400-3149 +	.						FILLER (FOAM) (76301)	1		MGOZZ
449	74A586400-3147 +	.						FILLER (FOAM) (76301)	1		MGOZZ
450	74A586400-3145 +	.						FILLER (FOAM) (76301)	1		MGOZZ
451	74A586400-3143 +	.						FILLER (FOAM) (76301)	1		MGOZZ
452	74A586400-3146 +	.						FILLER (FOAM) (76301)	1		MGOZZ
453	74A586400-3148 +	.						FILLER (FOAM) (76301)	1		MGOZZ
454	74A586400-3150 +	.						FILLER (FOAM) (76301)	1		MGOZZ
455	74A586400-3152 +	.						FILLER (FOAM) (76301)	1		MGOZZ
456	74A586400-3187 +	.						FILLER (FOAM) (76301)	1		MGOZZ
457	74A586400-3185 +	.						FILLER (FOAM) (76301)	1		MGOZZ
458	74A586400-3183 +	.						FILLER (FOAM) (76301)	1		MGOZZ
459	74A586400-3181 +	.						FILLER (FOAM) (76301)	1		MGOZZ
460	74A586400-3179 +	.						FILLER (FOAM) (76301)	1		MGOZZ
461	74A586400-3177 +	.						FILLER (FOAM) (76301)	1		MGOZZ
462	74A586400-3175 +	.						FILLER (FOAM) (76301)	1		MGOZZ
463	74A586400-3178 +	.						FILLER (FOAM) (76301)	1		MGOZZ
464	74A586400-3180 +	.						FILLER (FOAM) (76301)	1		MGOZZ
465	74A586400-3182 +	.						FILLER (FOAM) (76301)	1		MGOZZ
466	74A586400-3184 +	.						FILLER (FOAM) (76301)	1		MGOZZ
467	74A586400-3186 +	.						FILLER (FOAM) (76301)	1		MGOZZ
468	74A586400-3188 +	.						FILLER (FOAM) (76301)	1		MGOZZ
469	74A586400-3441 +	.						FILLER (FOAM) (76301)	1		MGOZZ
470	74A586400-3451 +	.						FILLER (FOAM) (76301)	1		MGOZZ
471	74A586400-3293 +	.						FILLER (FOAM) (76301)	1		MGOZZ
472	74A586400-3452 +	.						FILLER (FOAM) (76301)	1		MGOZZ
473	74A586400-3459 +	.						FILLER (FOAM) (76301)	1		MGOZZ
474	74A586400-3460 +	.						FILLER (FOAM) (76301)	1		MGOZZ
475	74A586400-2955 +	.						FILLER (FOAM) (76301)	1		MGOZZ
476	74A586400-2957 +	.						FILLER (FOAM) (76301)	1		MGOZZ
477	74A586400-3307 +	.						FILLER (FOAM) (76301)	1		MGOZZ
		.						(LEFT SIDE ONLY)			
	74A586400-3308 +	.						FILLER (FOAM) (76301)	1		MGOZZ
		.						(RIGHT SIDE ONLY)			
478	74A586400-3465 +	.						FILLER (FOAM) (76301)	1		MGOZZ
479	74A586400-3309 +	.						FILLER (FOAM) (76301)	1		MGOZZ
		.						(LEFT SIDE ONLY)			
	74A586400-3310 +	.						FILLER (FOAM) (76301)	1		MGOZZ
		.						(RIGHT SIDE ONLY)			
480	74A586400-3463 +	.						FILLER (FOAM) (76301)	1		MGOZZ
481	74A586400-3311 +	.						FILLER (FOAM) (76301)	1		MGOZZ
		.						(LEFT SIDE ONLY)			
	74A586400-3312 +	.						FILLER (FOAM) (76301)	1		MGOZZ
		.						(RIGHT SIDE ONLY)			
482	74A586400-3463 +	.						FILLER (FOAM) (76301)	1		MGOZZ
483	74A586400-3467 +	.						FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 31)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
484	74A586400-3313 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3314 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
485	74A586400-3295 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3296 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
486	74A586400-3297 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3298 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
487	74A586400-3449 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3450 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
488	74A586400-3299 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3300 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
489	74A586400-3301 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3302 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
490	74A586400-3303 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3304 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
491	74A586400-3305 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3306 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
492	74A586400-3479 +	.						FILLER (FOAM) (76301) (LEFT SIDE ONLY)	1		MGOZZ
	74A586400-3480 +	.						FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
493	74A586400-3469 +	.						FILLER (FOAM) (76301) (SUPERSEDES 74A586400 3413)	2		MGOZZ
494	74A586400-3477 +	.						FILLER (FOAM) (76301)	AR		MGOZZ
495	74A586400-3485 +	.						FILLER (FOAM) (76301)	2		MGOZZ
496	74A586400-3487 +	.						FILLER (FOAM) (76301)	2		MGOZZ
497	74A586400-3489 +	.						FILLER (FOAM) (76301)	2		MGOZZ
498	74A586400-3491 +	.						FILLER (FOAM) (76301)	2		MGOZZ
499	74A586400-3493 +	.						FILLER (FOAM) (76301)	2		MGOZZ

@ USE AS REQUIRED TO COVER ROWS OF
PROTRUDING HI-LOK FASTENERS

+ REFER TO A1-F18AC-SRM-230 WP024 01,
WP025 01 AND WP026 01 FOR FOAM
FILLER DIMENSIONS.

Figure 2. No. 4 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 32)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

NO. 4 FUEL TANK LACING

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00

Alphabetical Index

Subject	Page No.
Illustrated Parts Breakdown	1
Illustration	
No. 4 Fuel Tank Lacing - 161353 THRU 161741	2
No. 4 Fuel Tank Lacing - 161742 AND UP	19
Parts List	
No. 4 Fuel Tank Lacing - 161353 THRU 161741	18
No. 4 Fuel Tank Lacing - 161742 AND UP	29
Materials Required	1
No. 4 Fuel Tank Lacing - 161353 THRU 161741, Figure 1	2
No. 4 Fuel Tank Lacing - 161742 AND UP, Figure 2	19
Procedure	1
Support Equipment Required	1

Record of Applicable Technical Directives

None

Support Equipment Required

None



Materials Required

Specification
or Part Number

Nomenclature

MIL-C-5040,
Type 3
(CAGE 81349)

Fibrous Cord

To prevent damage to fuel tank, be careful
when trimming lacing cords.

b. Cut lacing cord lengths per figure 1 or 2.

c. Prepare lacing cord ends per WP013 00.

d. Lace fuel tank, per figure 1 or 2.

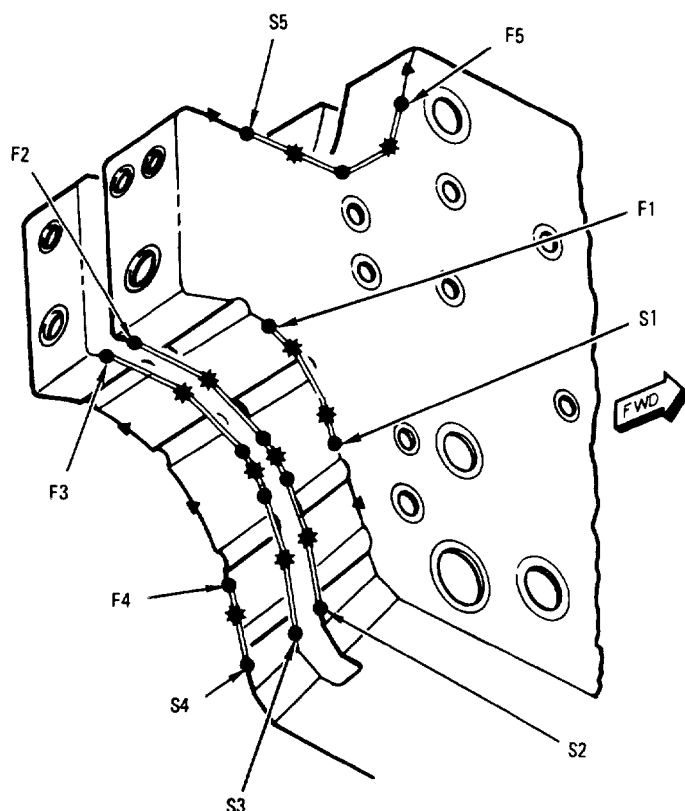
1. PROCEDURE.

a. Observe all fuel tank maintenance precautions
(WP013 00).

2. ILLUSTRATED PARTS BREAKDOWN.

3. This illustrated parts breakdown has data required
for identifying and ordering parts. The manual
introduction has more information on IPB data.

REQUIRED LACING CORDS	
LENGTH	QTY
3 FEET	6
5 FEET	75
20 FEET	4



EXAMPLE OF LACING SEQUENCE FOR REFERENCE ONLY

LEGEND

1. THE FOLLOWING PAGES INVOLVE FUEL TANK LACING. COMPLETE EACH PAGE BEFORE CONTINUING TO THE NEXT. SEE EXAMPLE ABOVE FOR TYPICAL LACING PROCEDURE.
2. ★ INDICATES A FUEL TANK ATTACH POINT.
3. ● INDICATES A STRUCTURAL ATTACH POINT.
4. ▲ INDICATES FUEL TANK ATTACH POINT THAT IS NOT USED IN LACING SEQUENCE.
5. F1 INDICATES A FINISH KNOT OF THE FIRST CORD.
6. S1 INDICATES A START KNOT OF THE FIRST CORD.

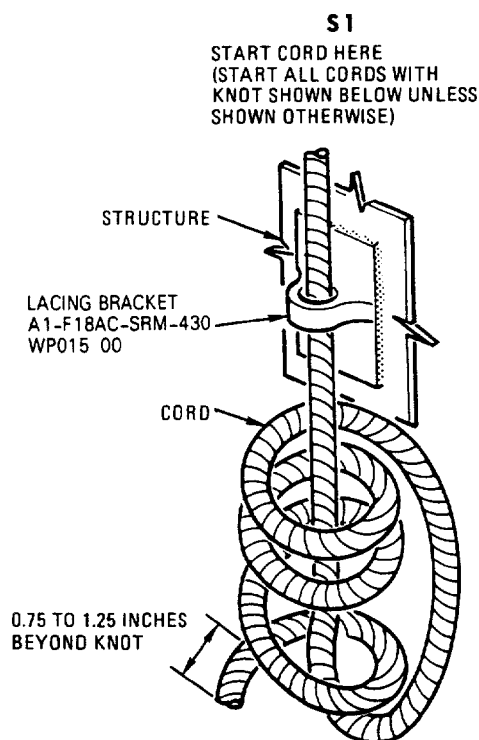
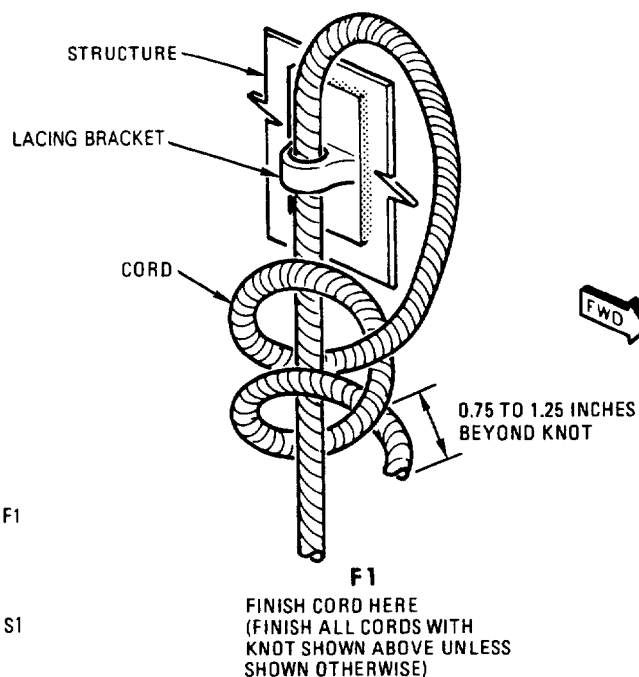


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 1)

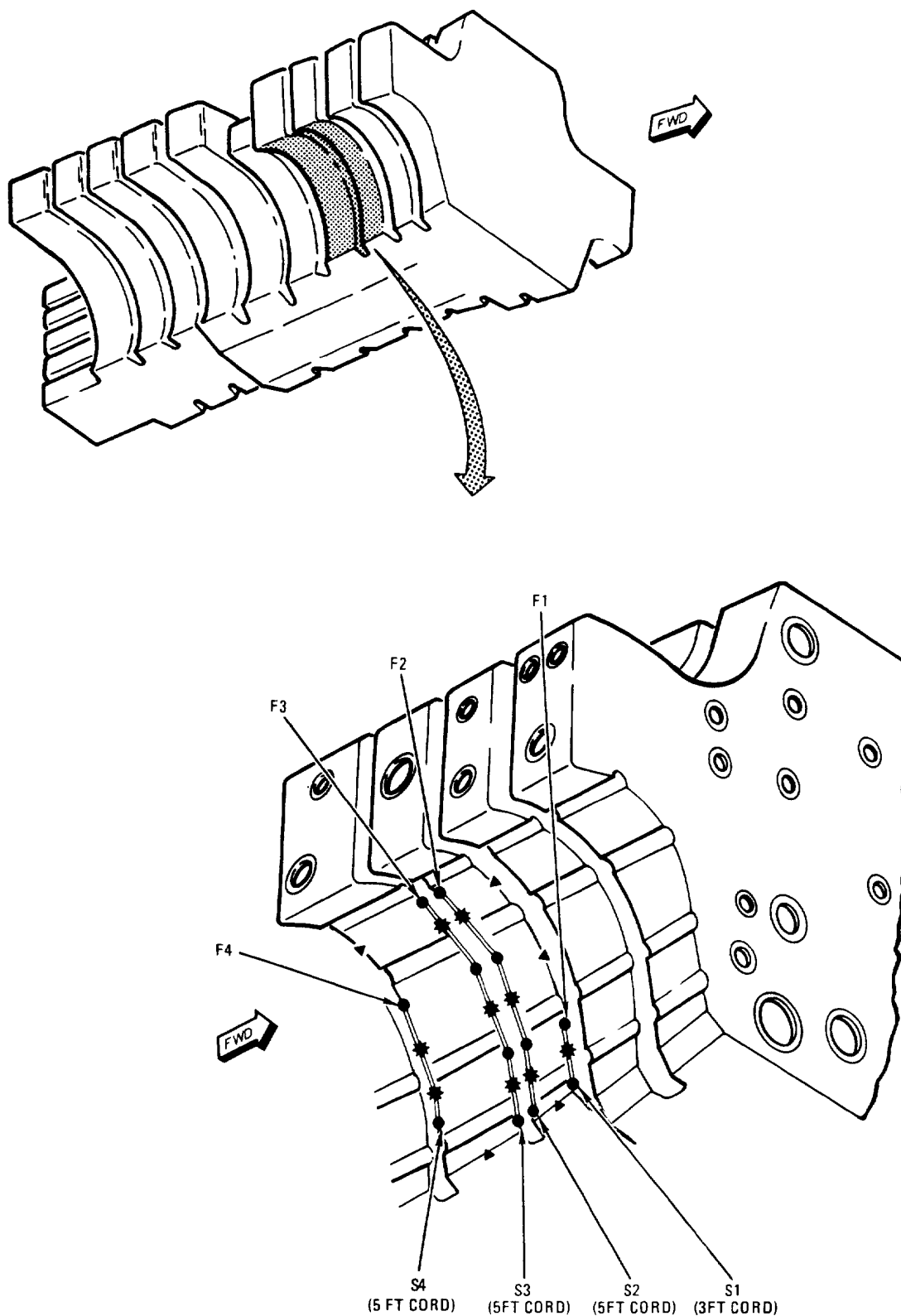
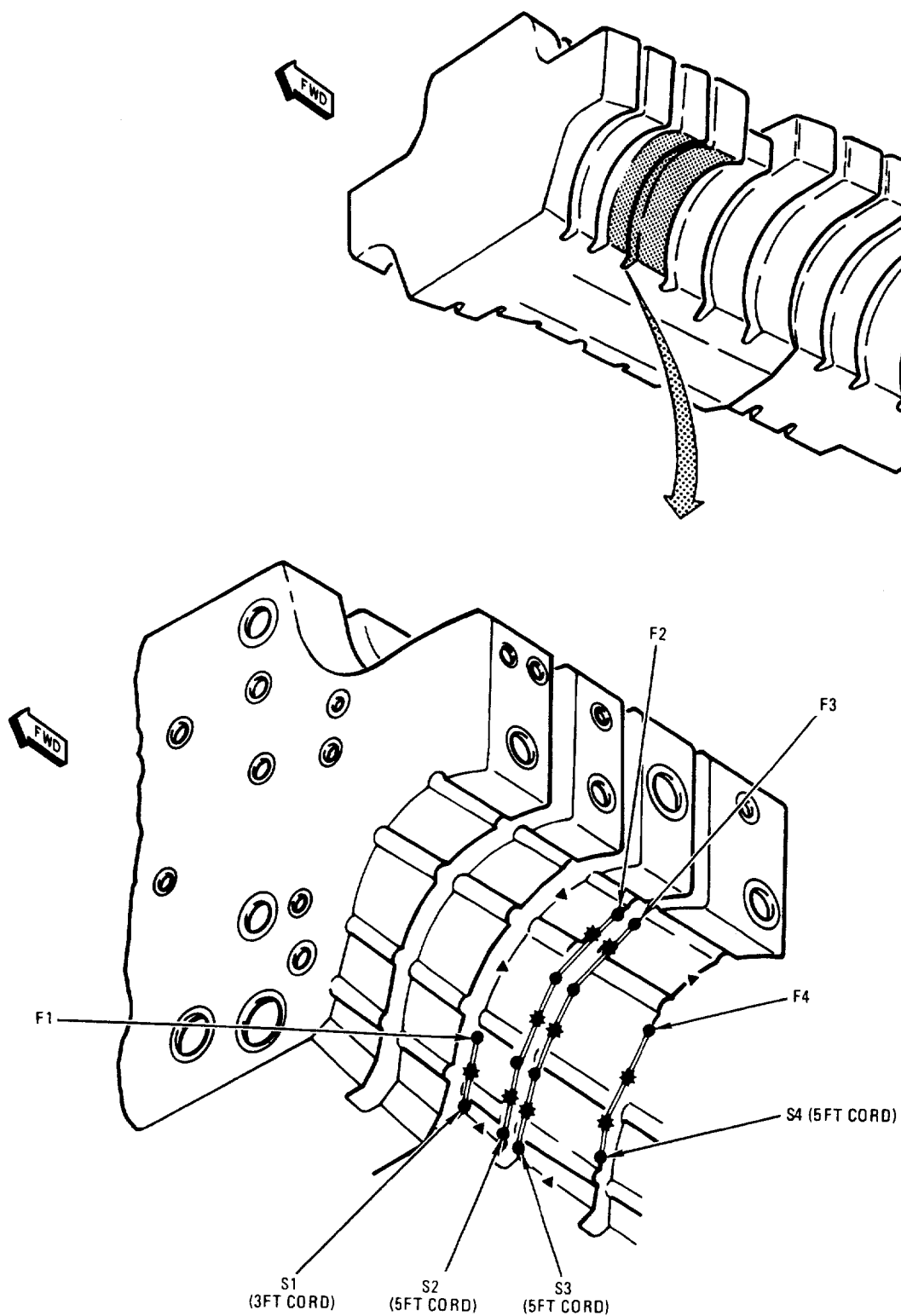


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 2)



3000103

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 3)

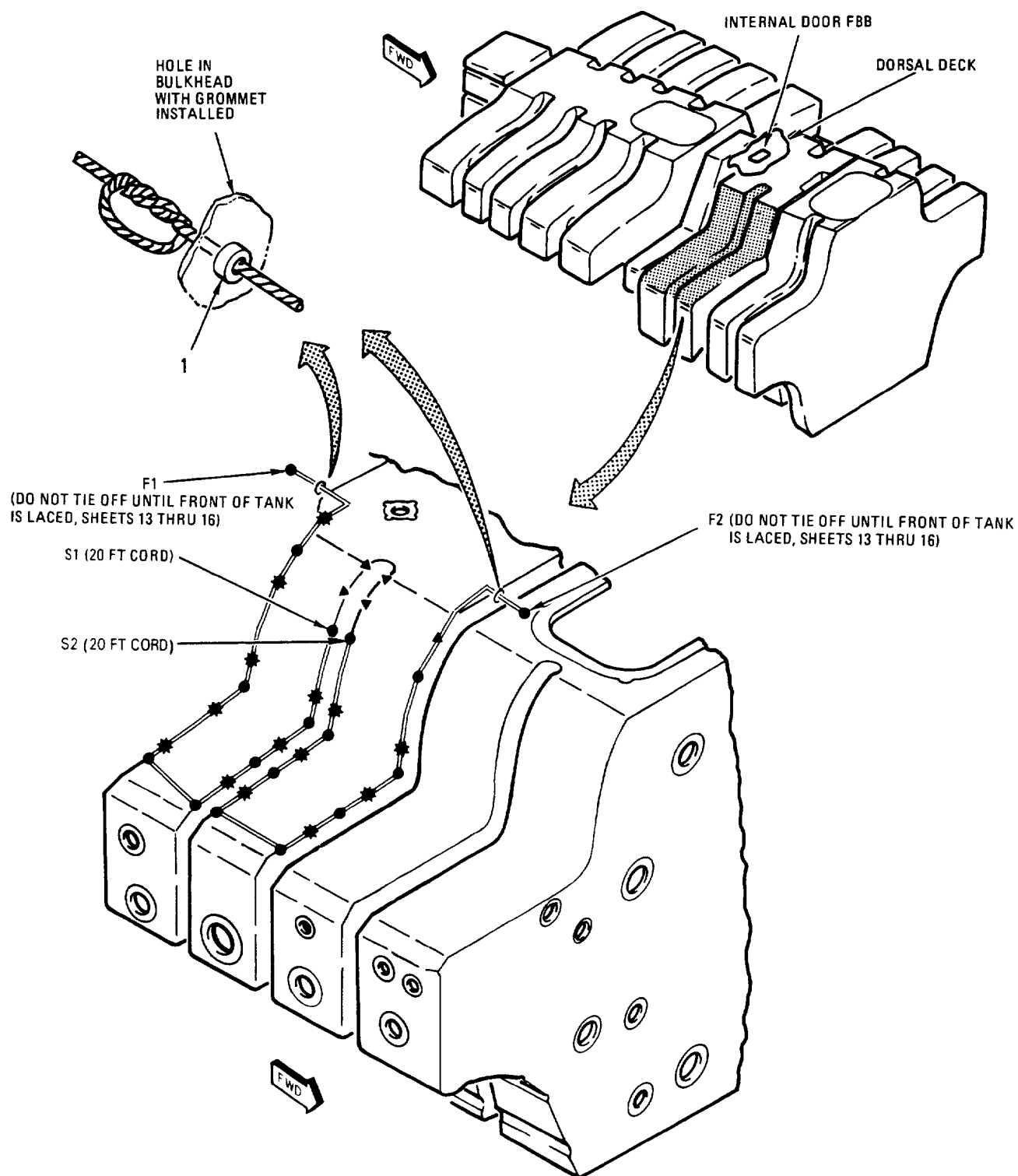
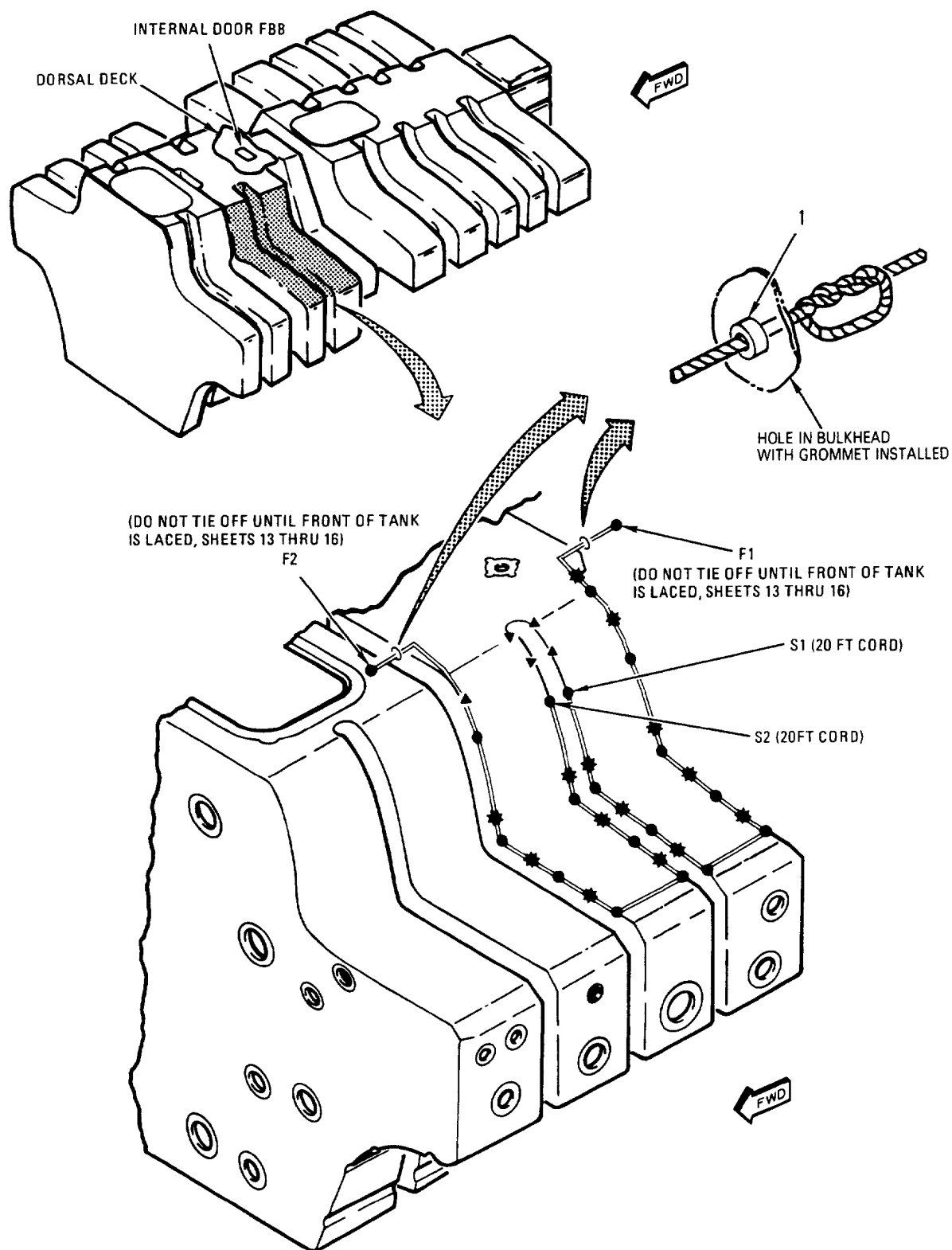
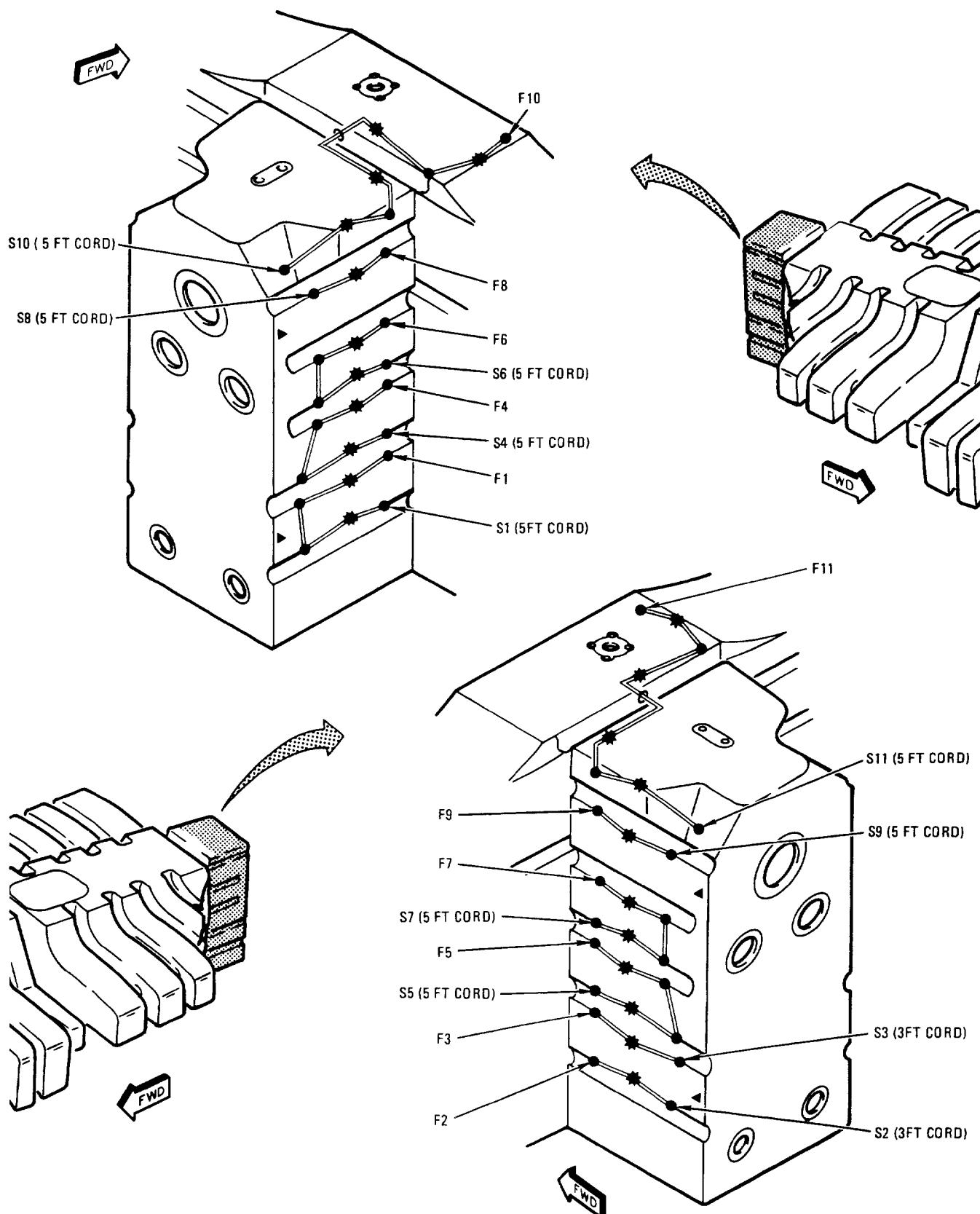


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 4)



3000105

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 5)



3000106

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 6)

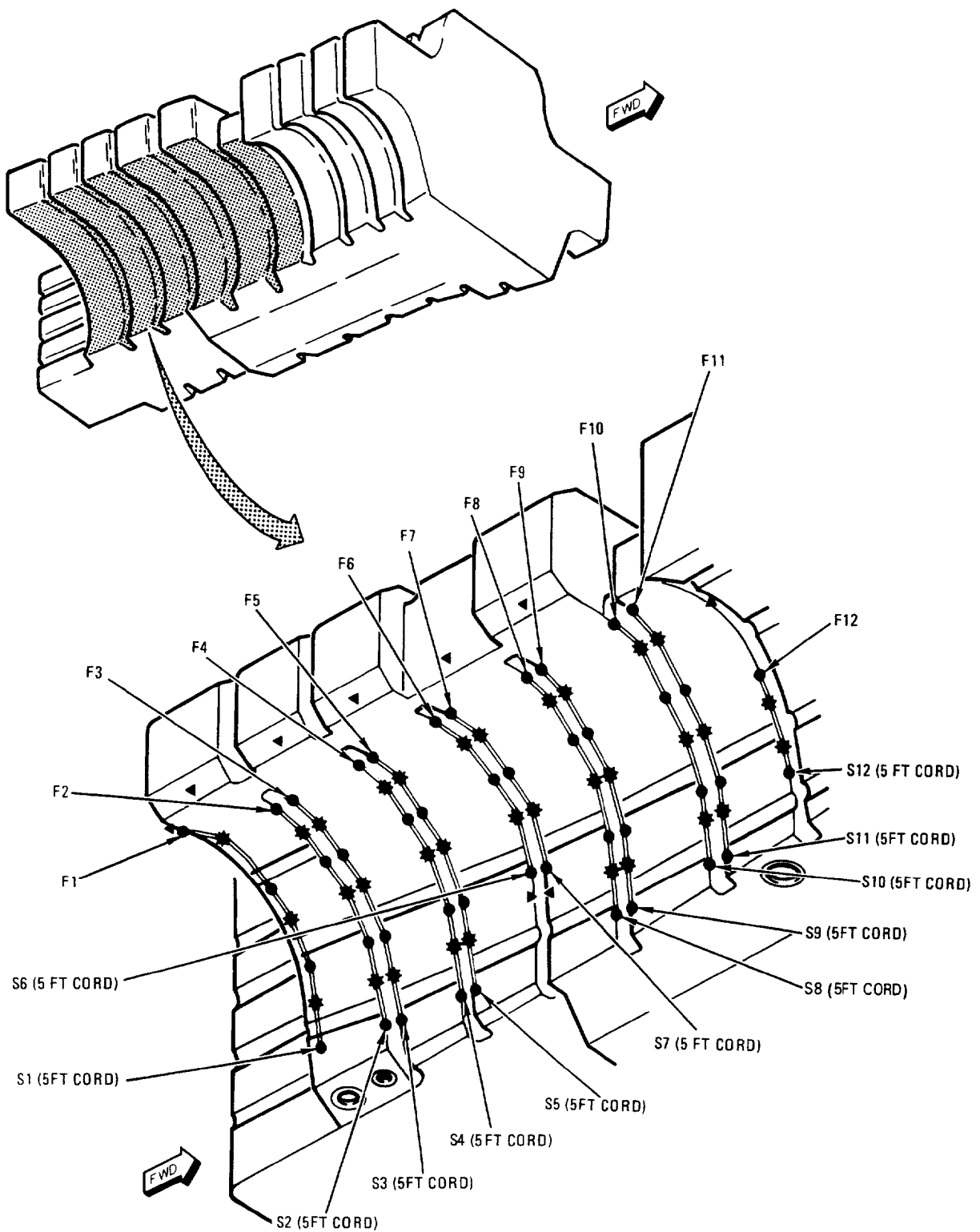


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 7)

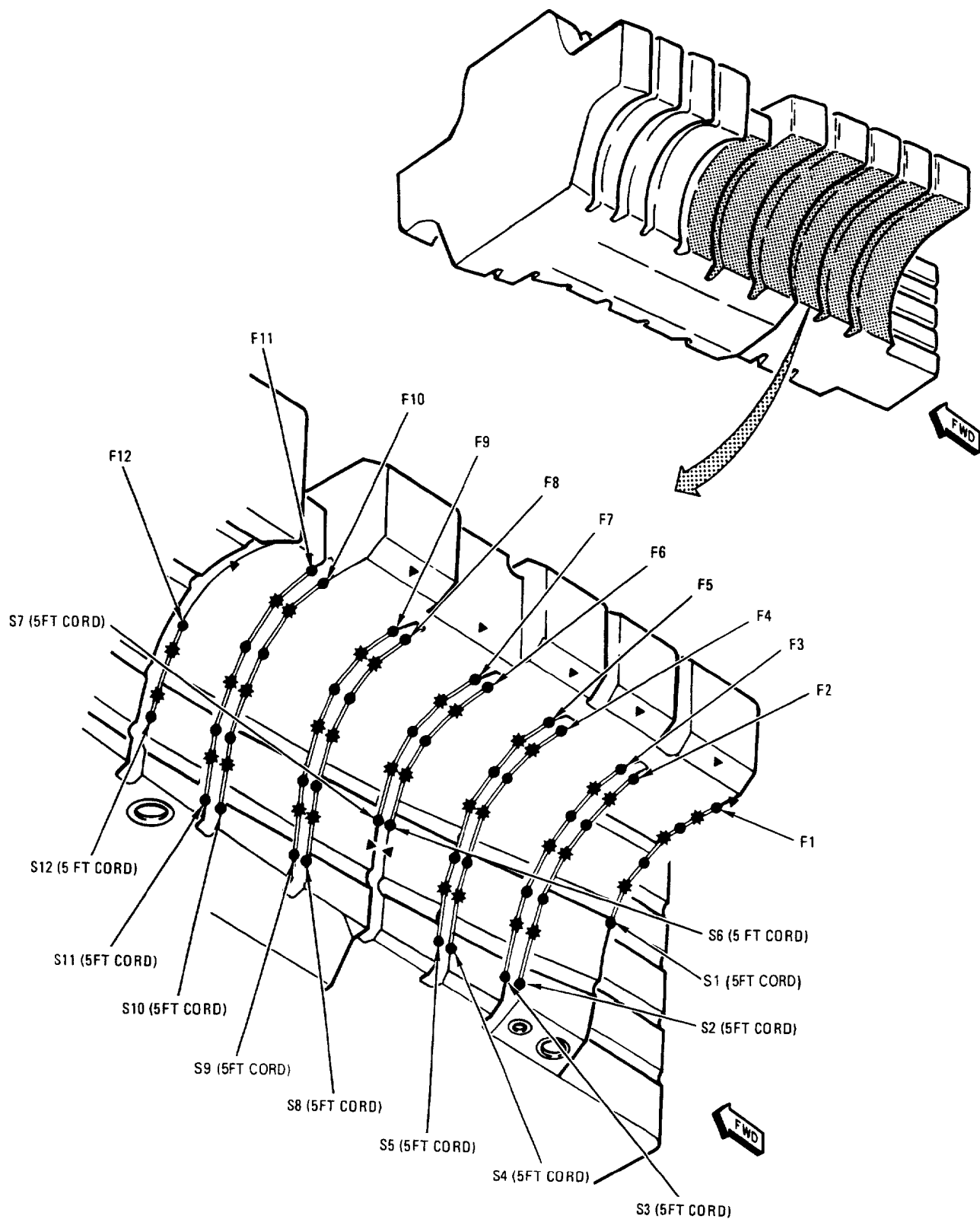
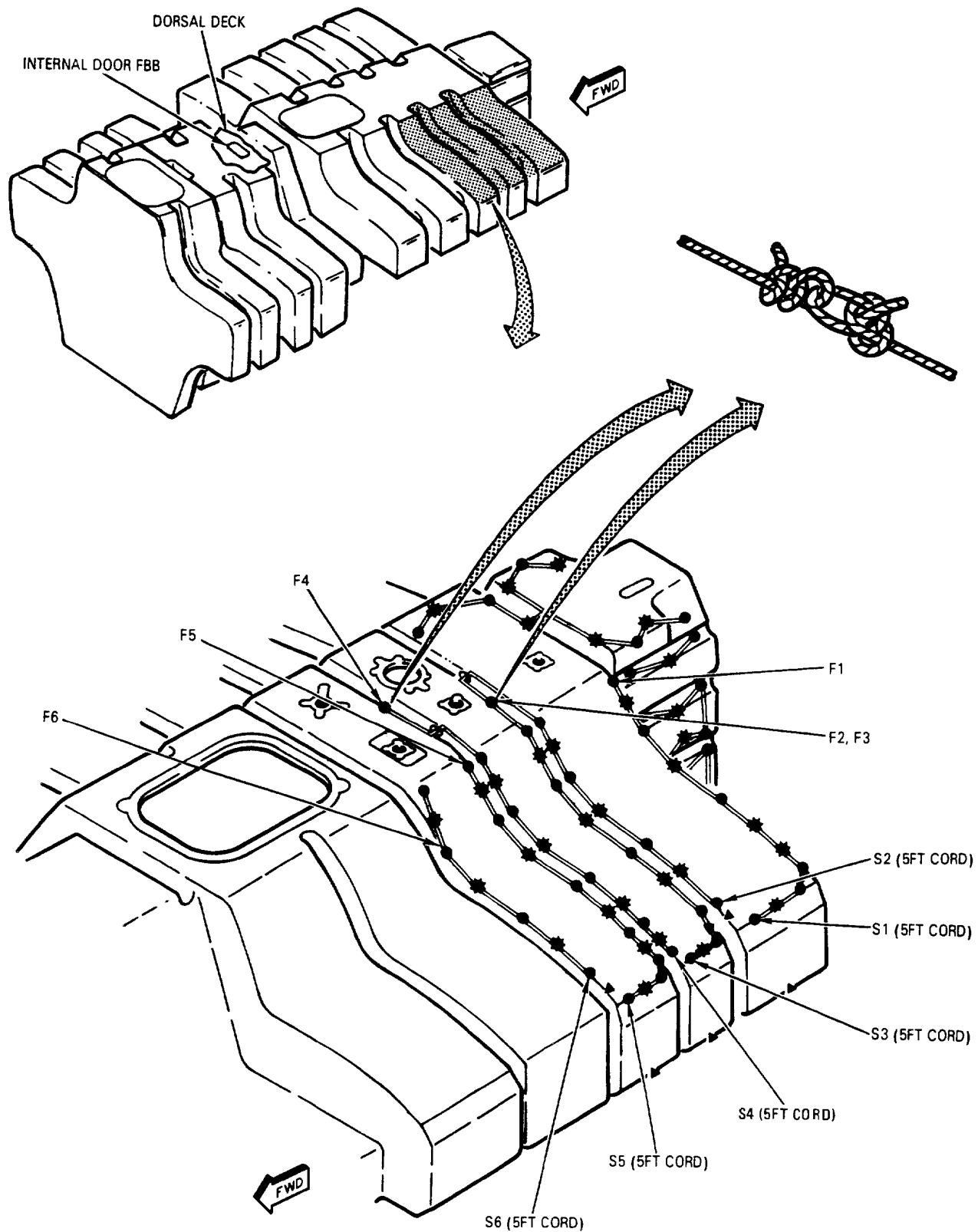
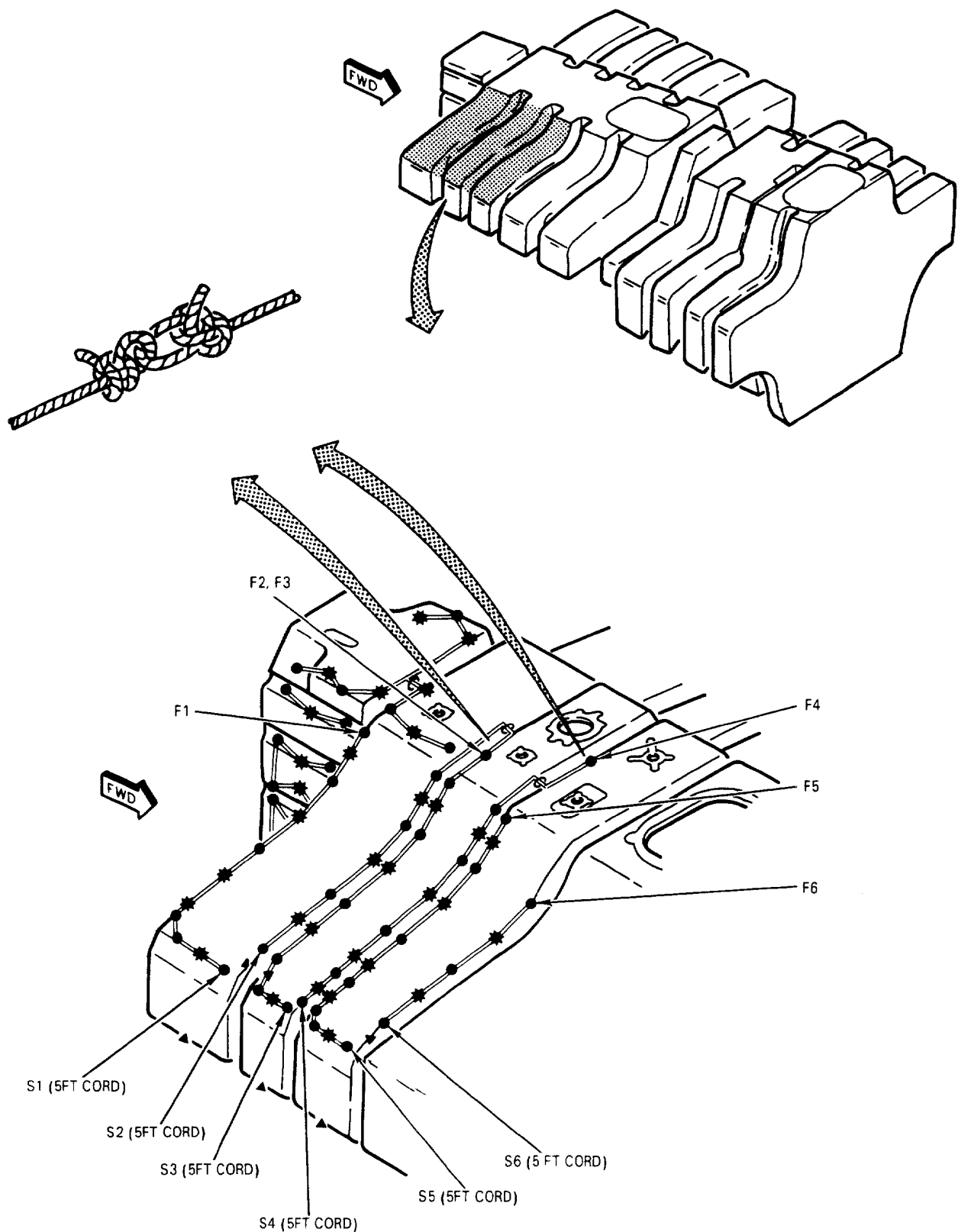


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 8)



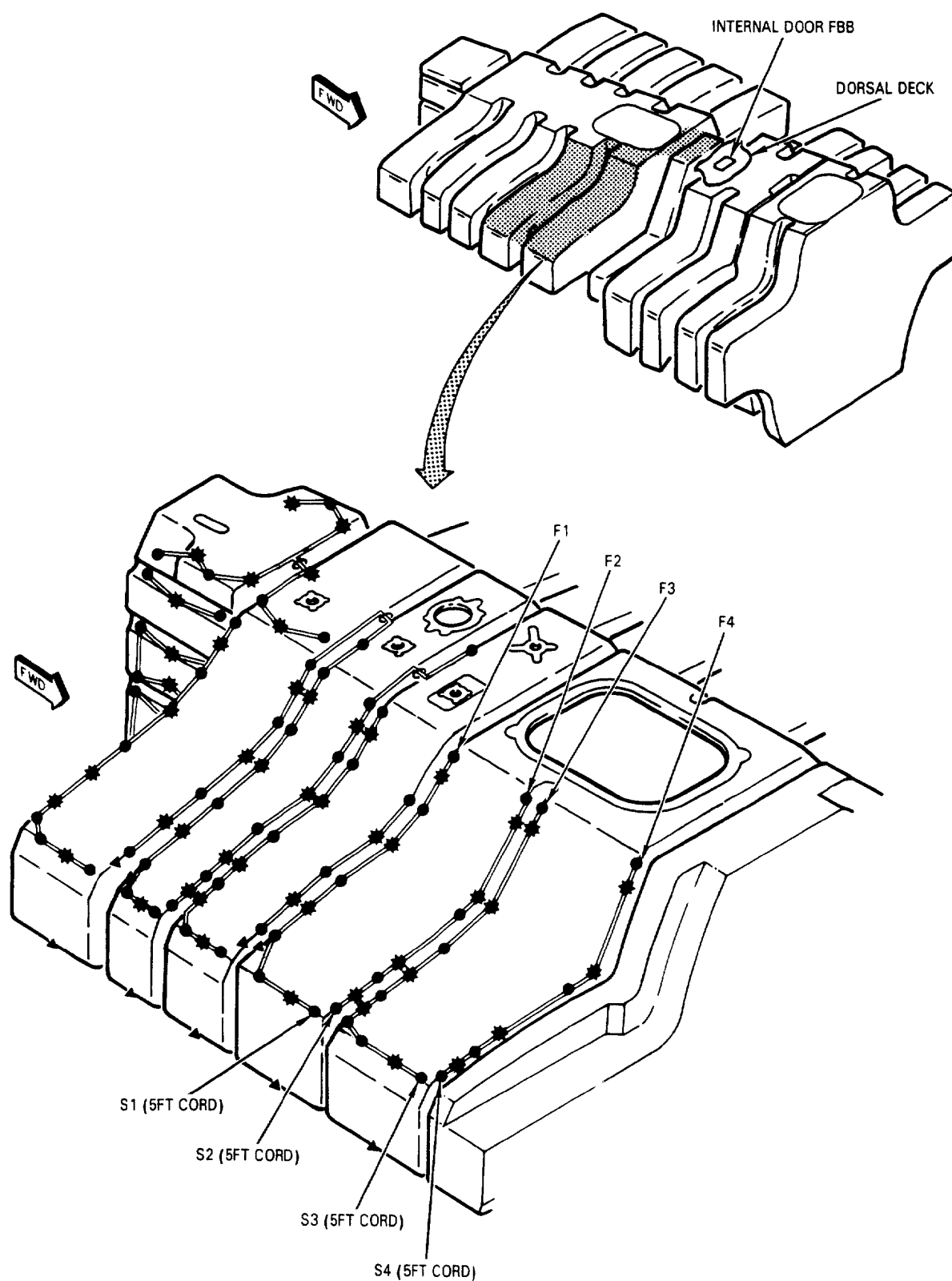
3000109

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 9)



3000110

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 10)



3000111

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 11)

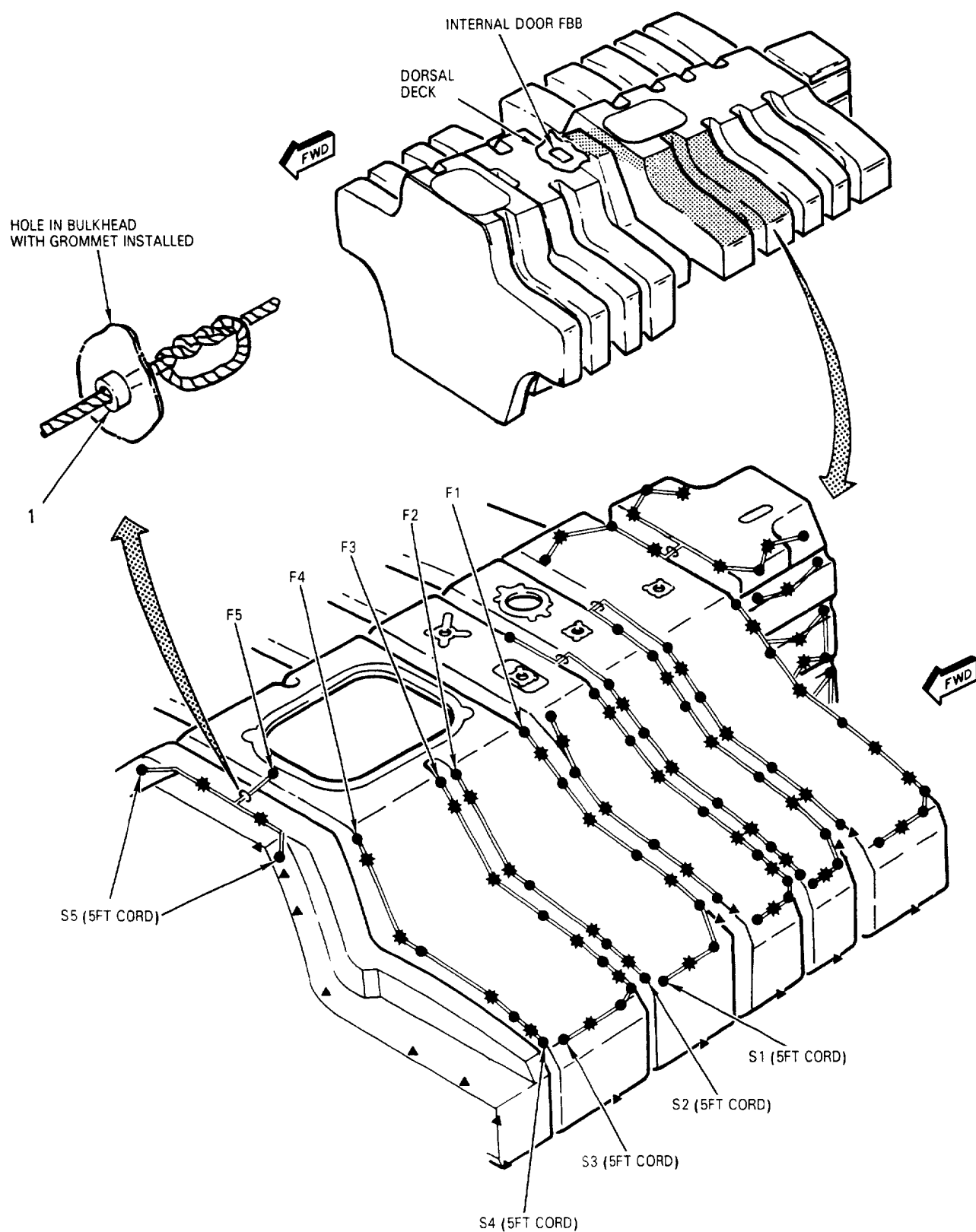


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 12)

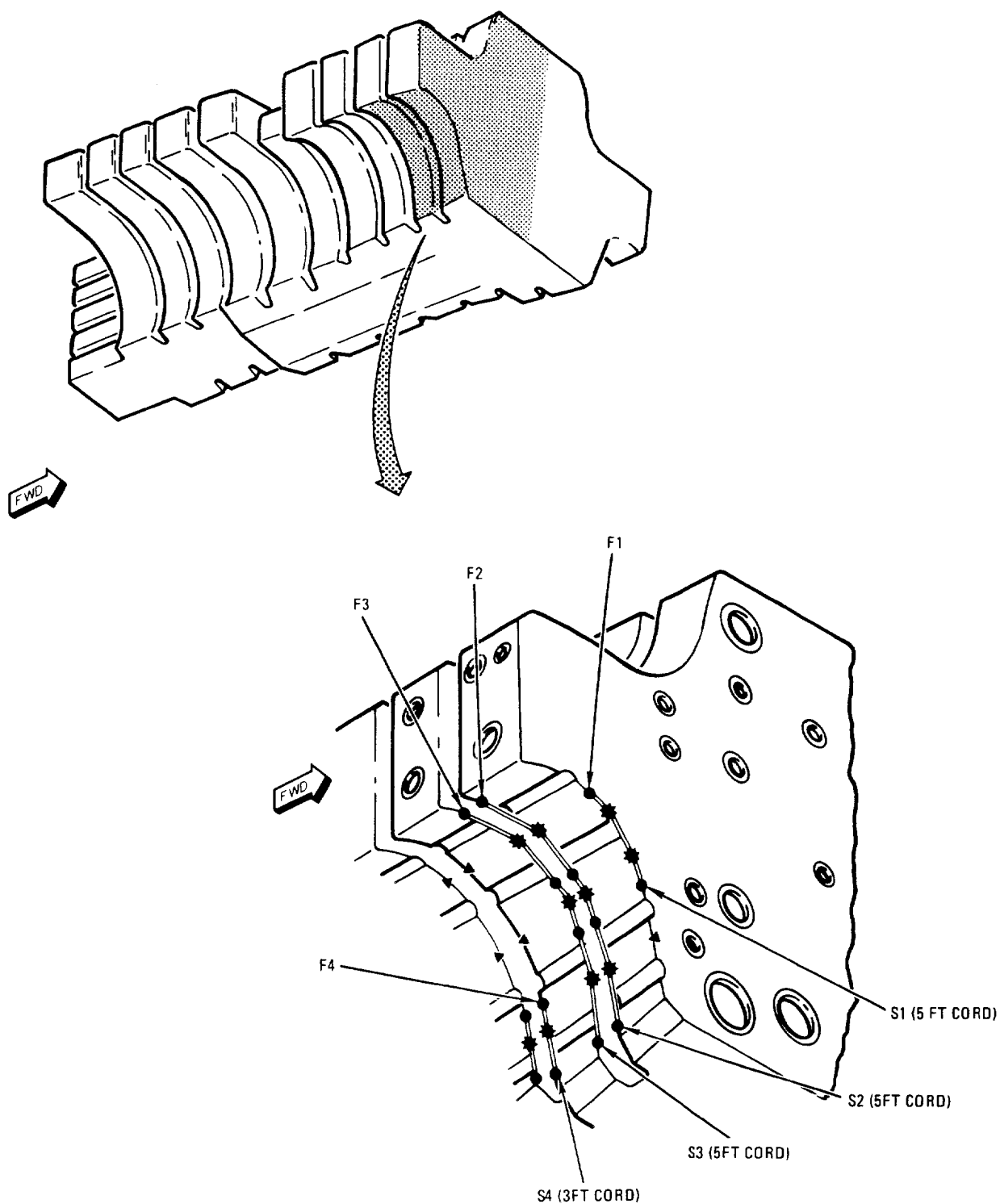


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 13)

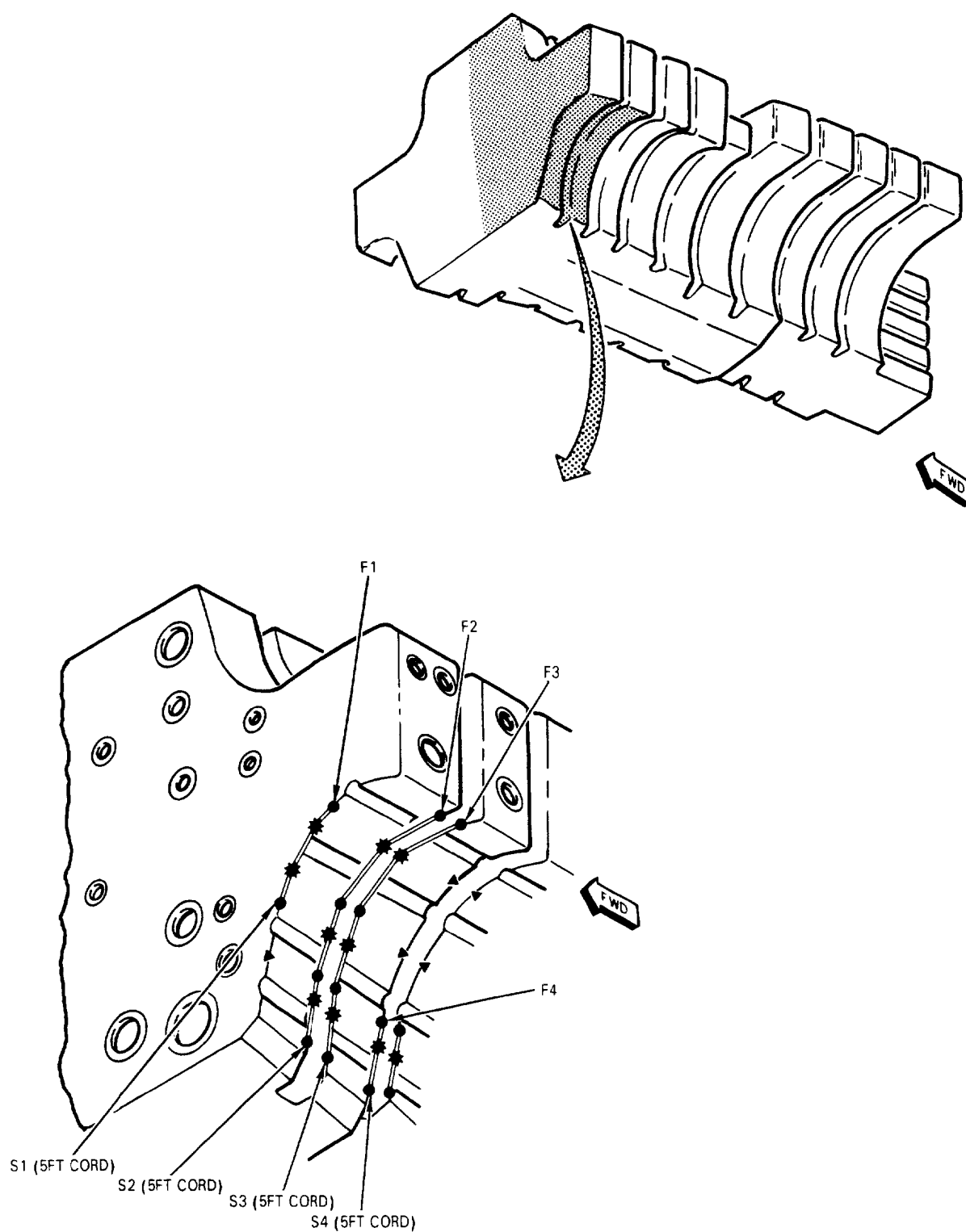
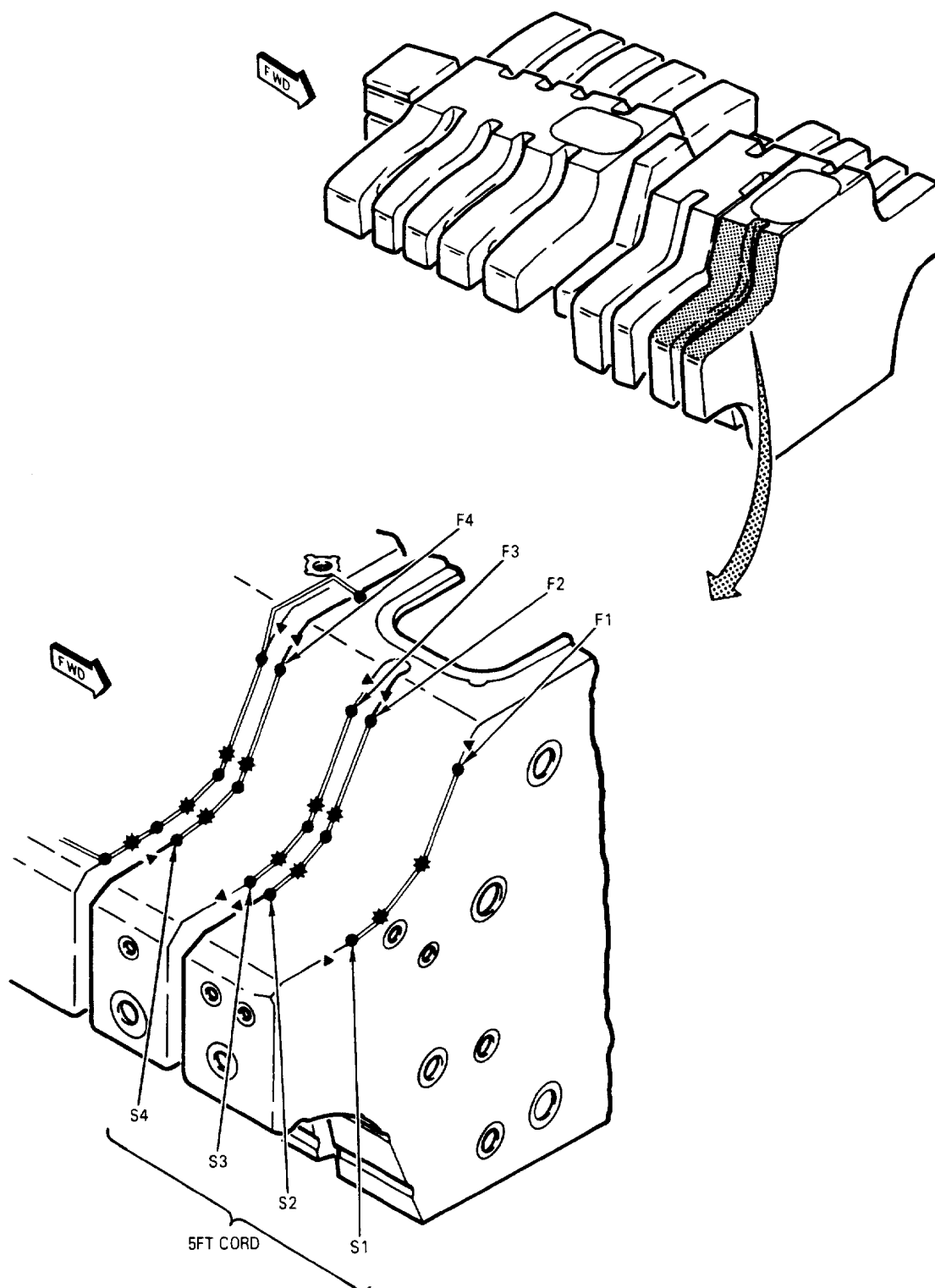


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 14)



3000115

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 15)

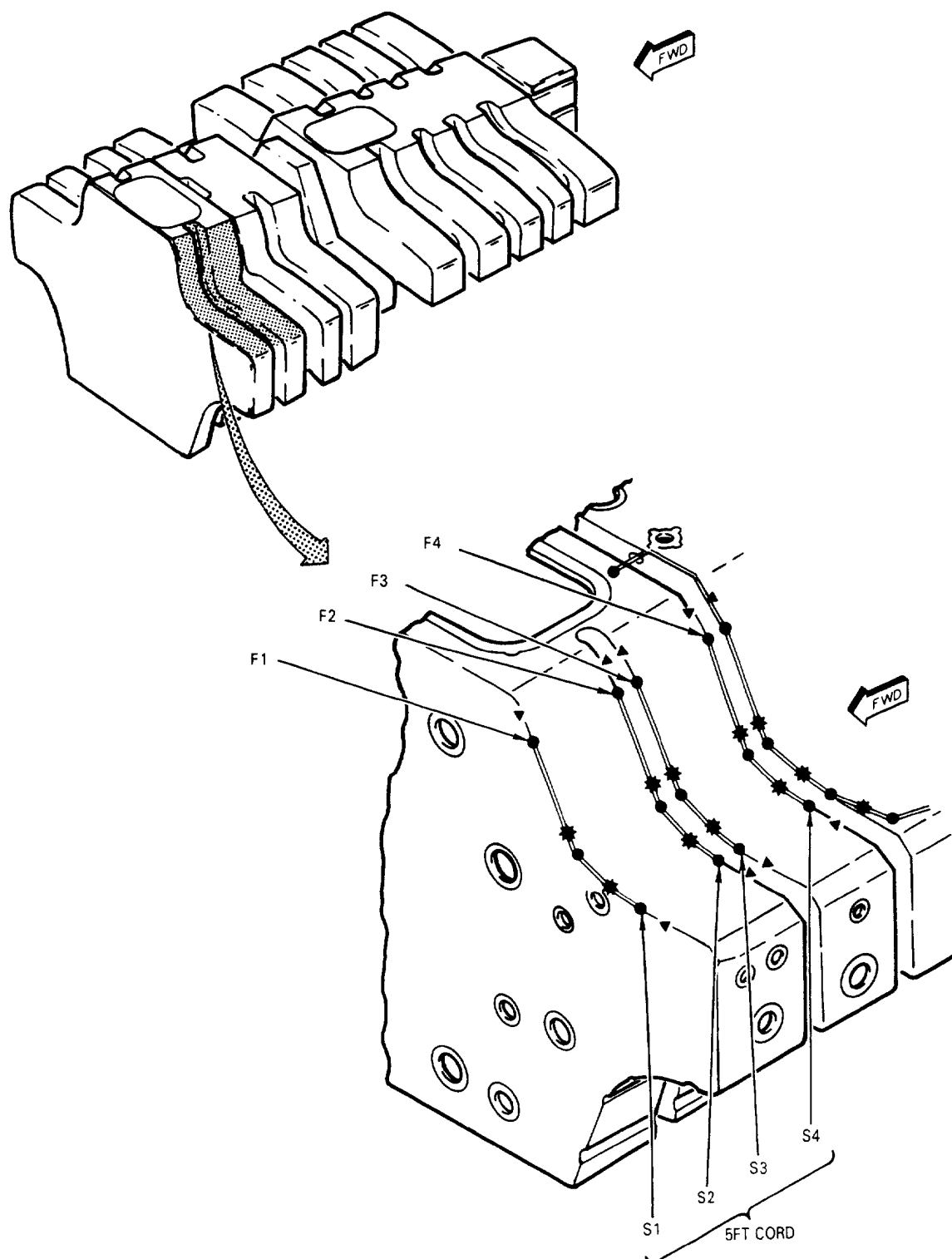
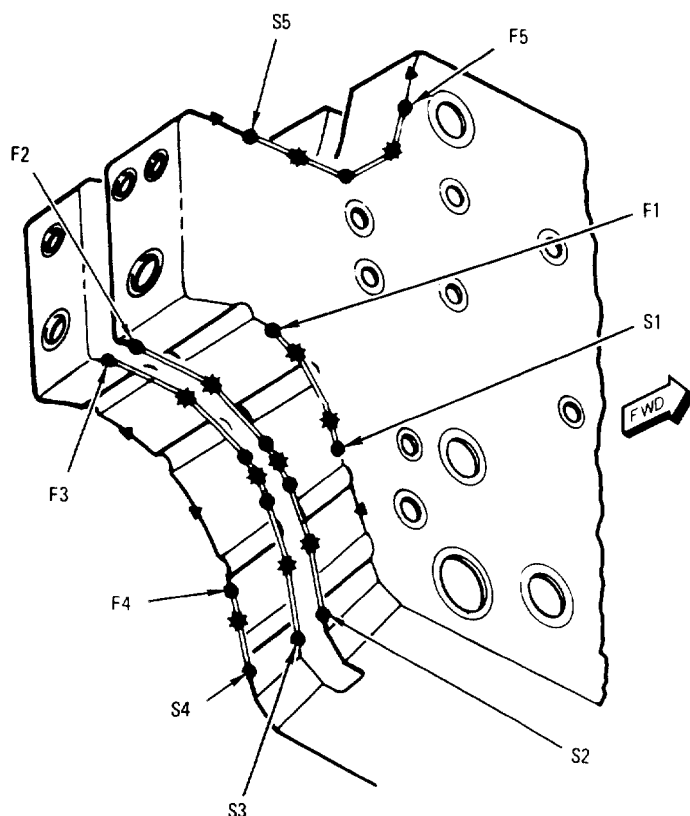


Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 16)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
1	G57NB-4	NO. 4 FUEL TANK LACING - 161353 THRU 161741									
		. GROMMET ASSY, BLIND (03296)							AR		PAOZZ
		(MCDONNELL SPEC 9M643-4)									

Figure 1. No. 4 Fuel Tank Lacing - 161353 THRU 161741 (Sheet 17)

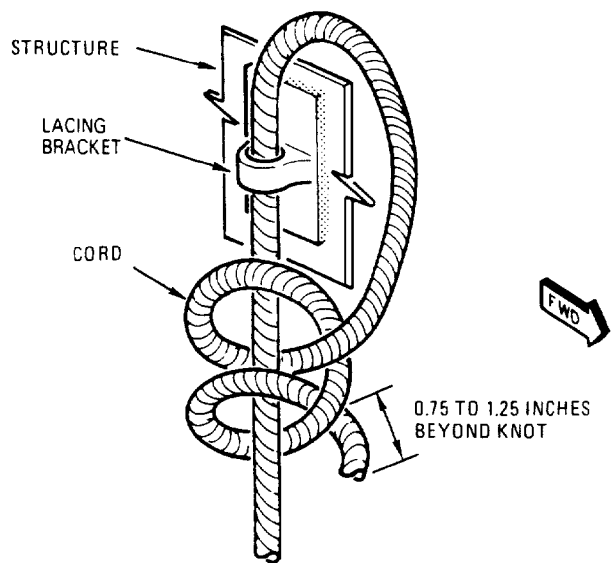
REQUIRED LACING CORDS	
LENGTH	QTY
3 FEET	6
5 FEET	75
20 FEET	4



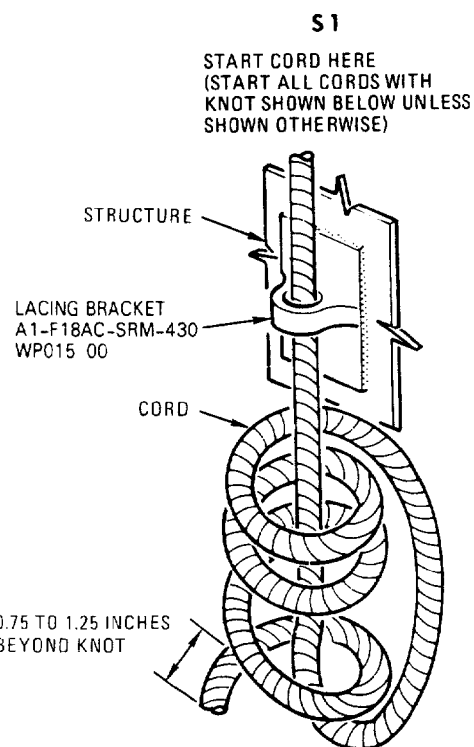
EXAMPLE OF LACING SEQUENCE FOR REFERENCE ONLY

LEGEND

1. THE FOLLOWING PAGES INVOLVE FUEL TANK LACING. COMPLETE EACH PAGE BEFORE CONTINUING TO THE NEXT. SEE EXAMPLE ABOVE FOR TYPICAL LACING PROCEDURE.
2. ★ INDICATES A FUEL TANK ATTACH POINT.
3. ● INDICATES A STRUCTURAL ATTACH POINT.
4. ▲ INDICATES FUEL TANK ATTACH POINT THAT IS NOT USED IN LACING SEQUENCE.
5. F1 INDICATES A FINISH KNOT OF THE FIRST CORD.
6. S1 INDICATES A START KNOT OF THE FIRST CORD.



F1
FINISH CORD HERE
(FINISH ALL CORDS WITH
KNOT SHOWN ABOVE UNLESS
SHOWN OTHERWISE)



S1
START CORD HERE
(START ALL CORDS WITH
KNOT SHOWN BELOW UNLESS
SHOWN OTHERWISE)

0.75 TO 1.25 INCHES
BEYOND KNOT

Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 1)

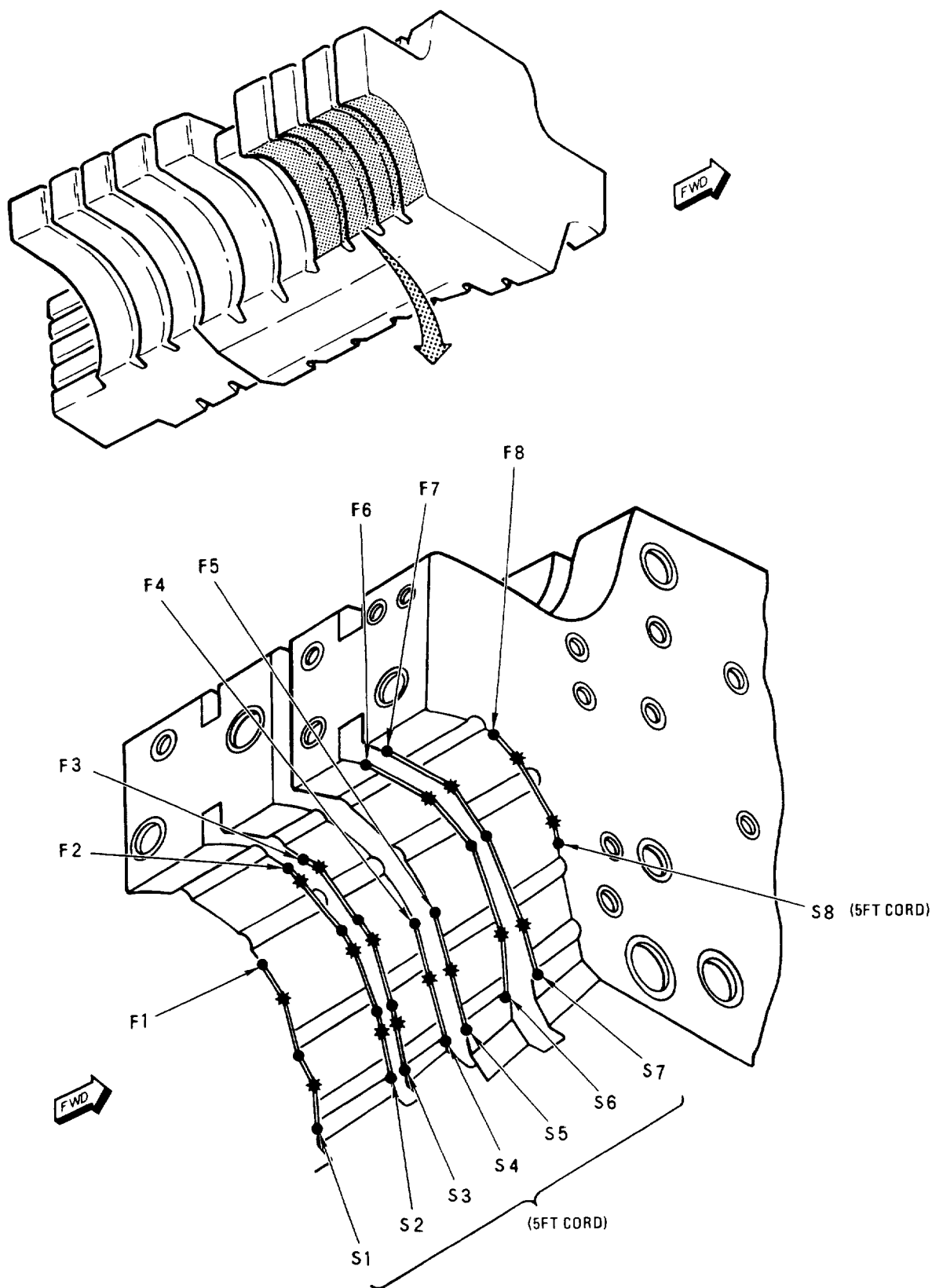


Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 2)

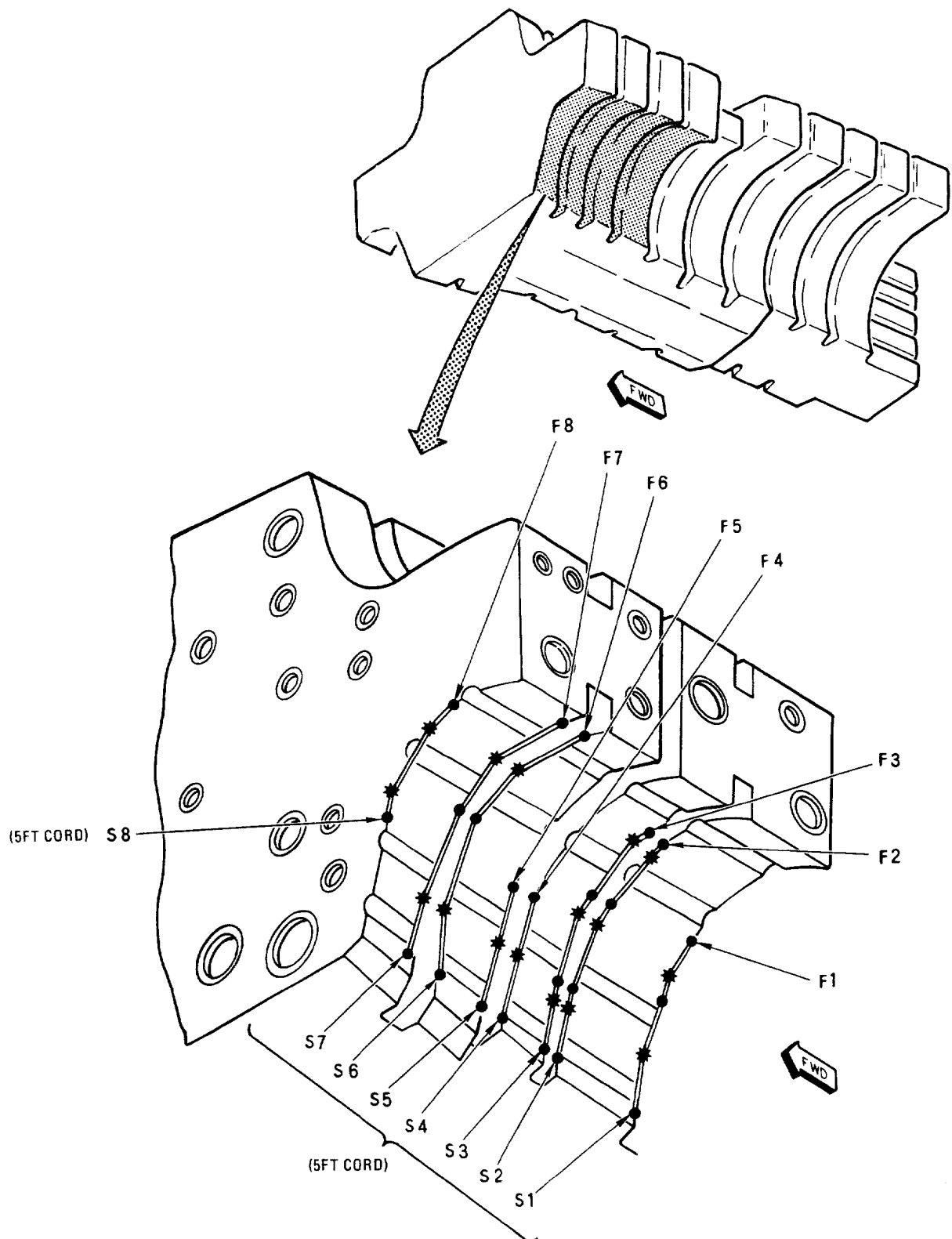


Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 3)

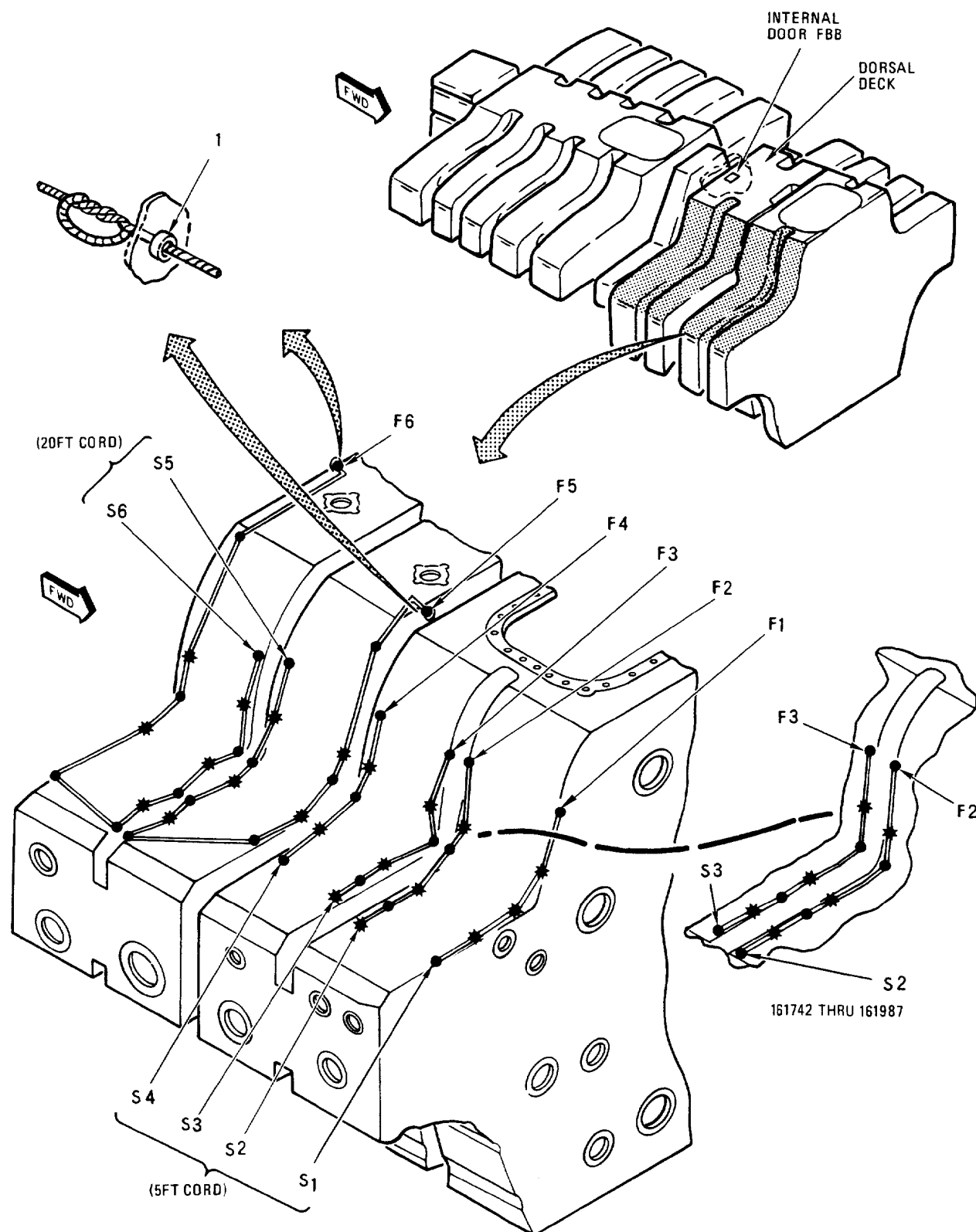


Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 4)

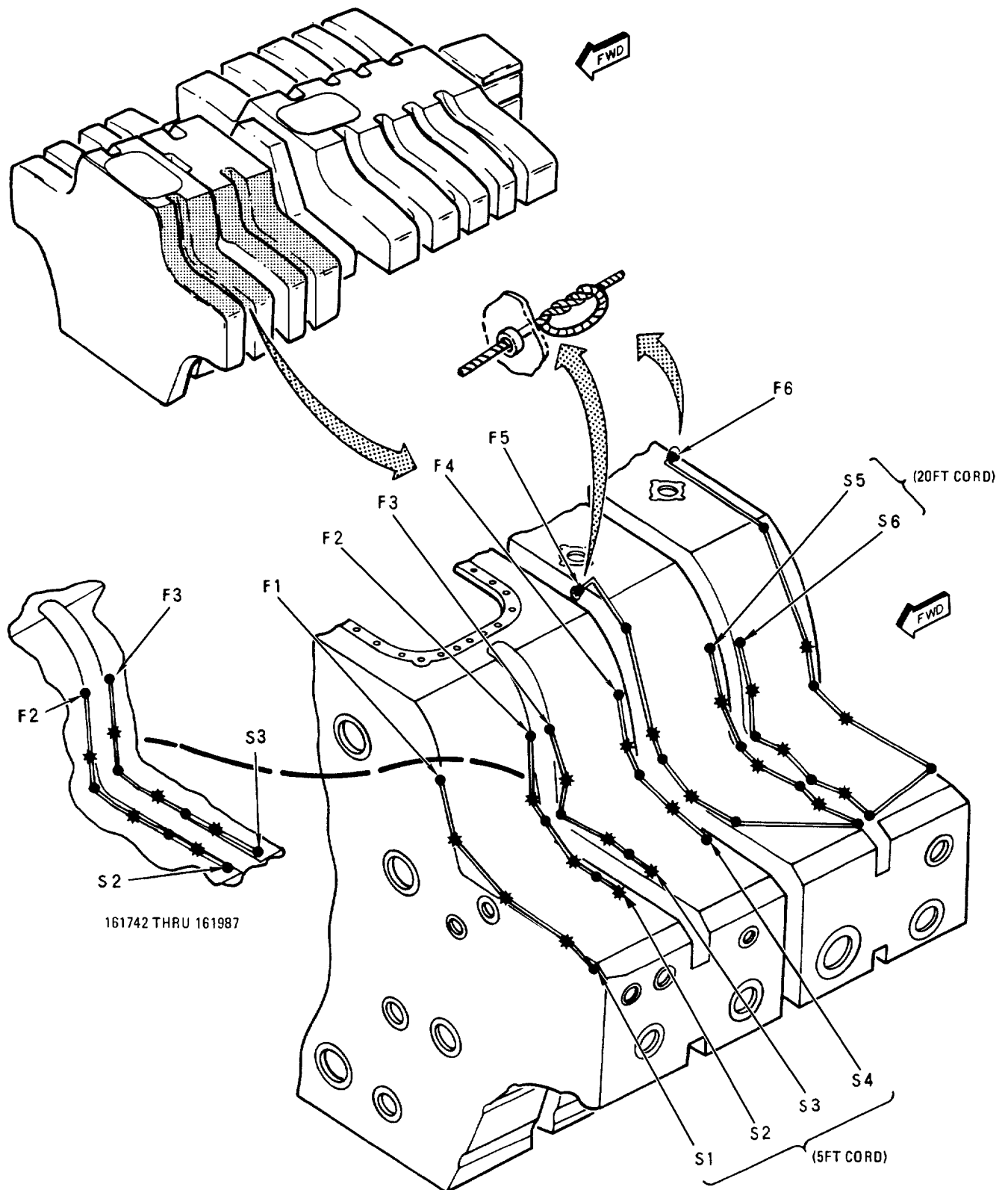


Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 5)

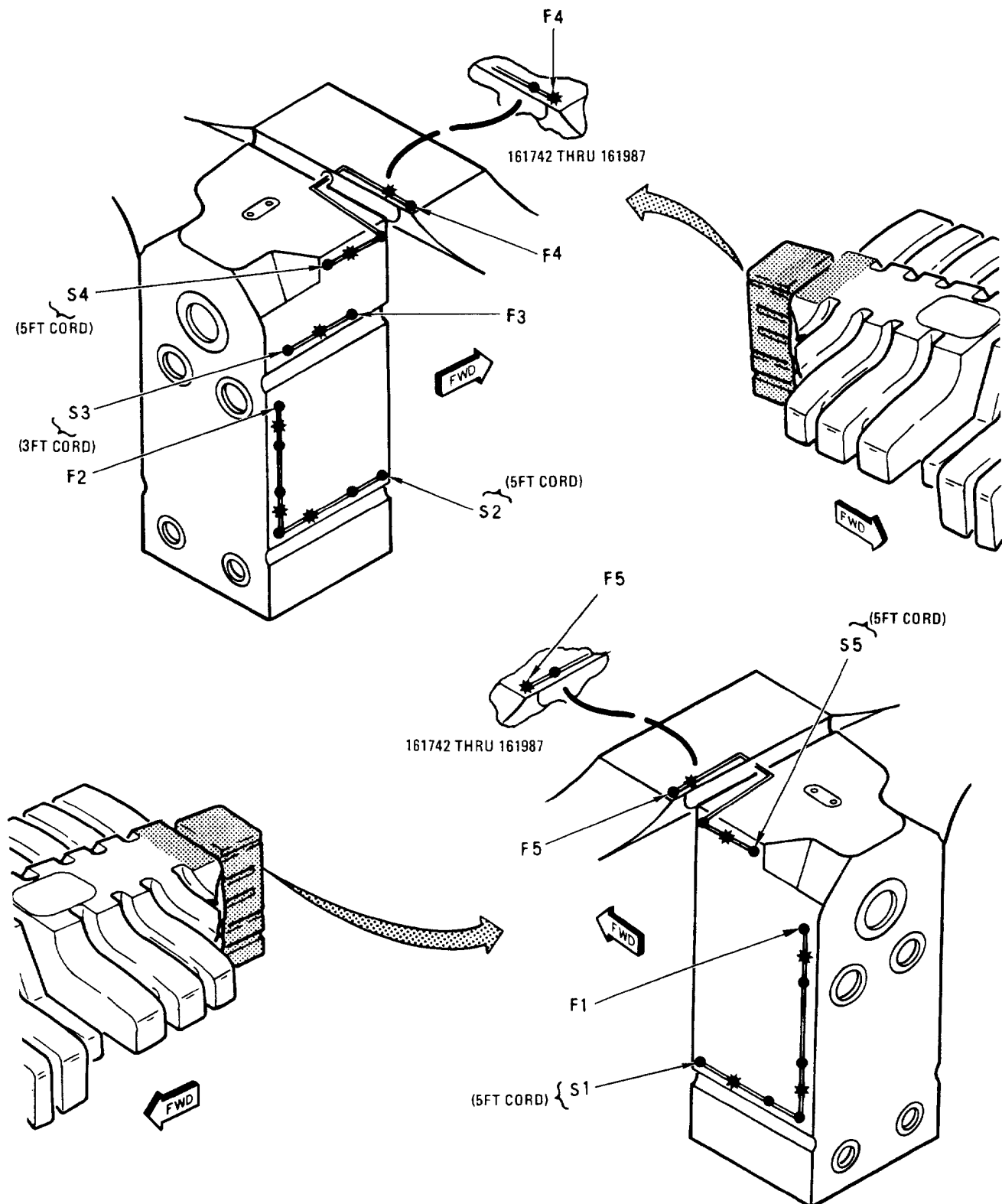


Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 6)

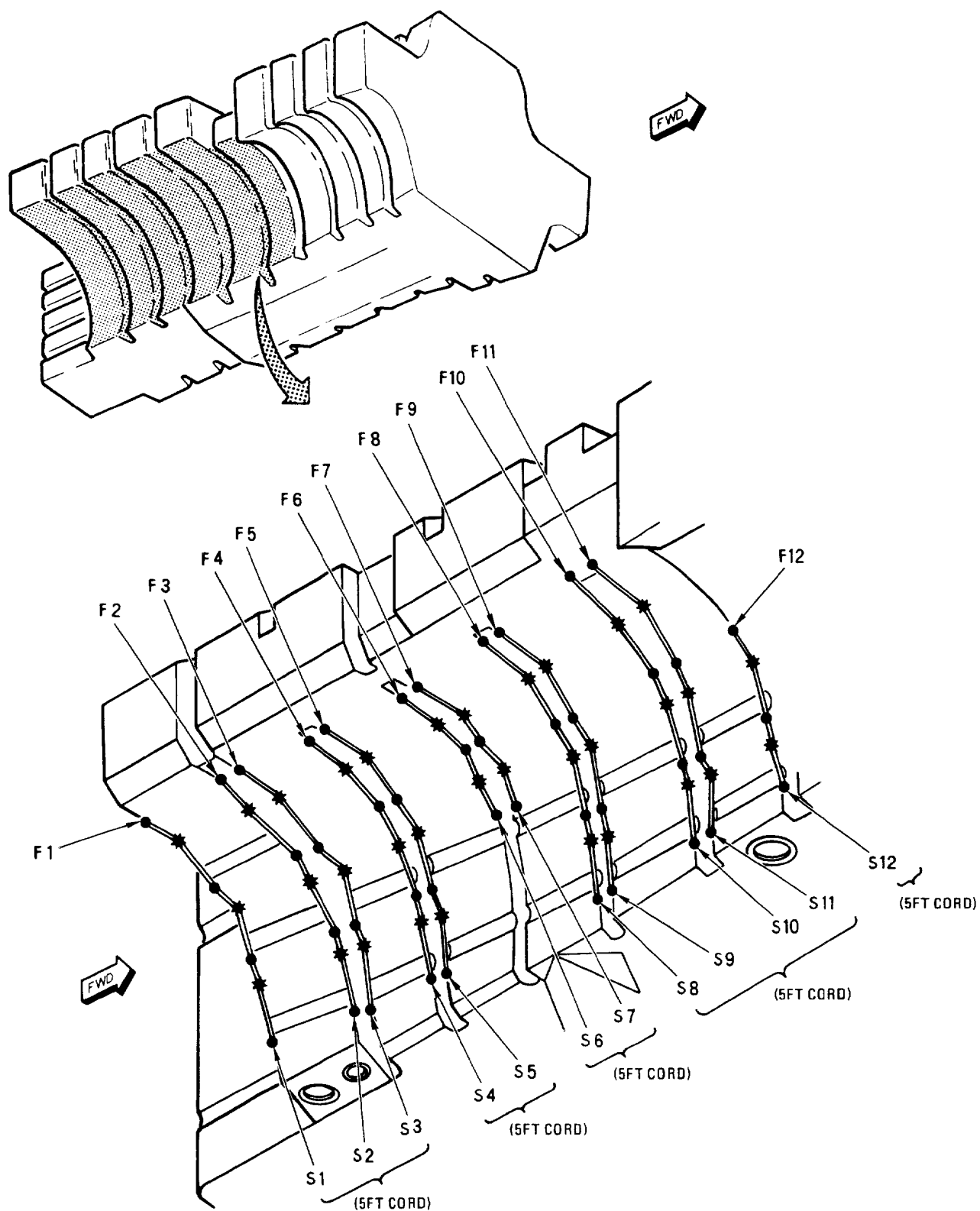
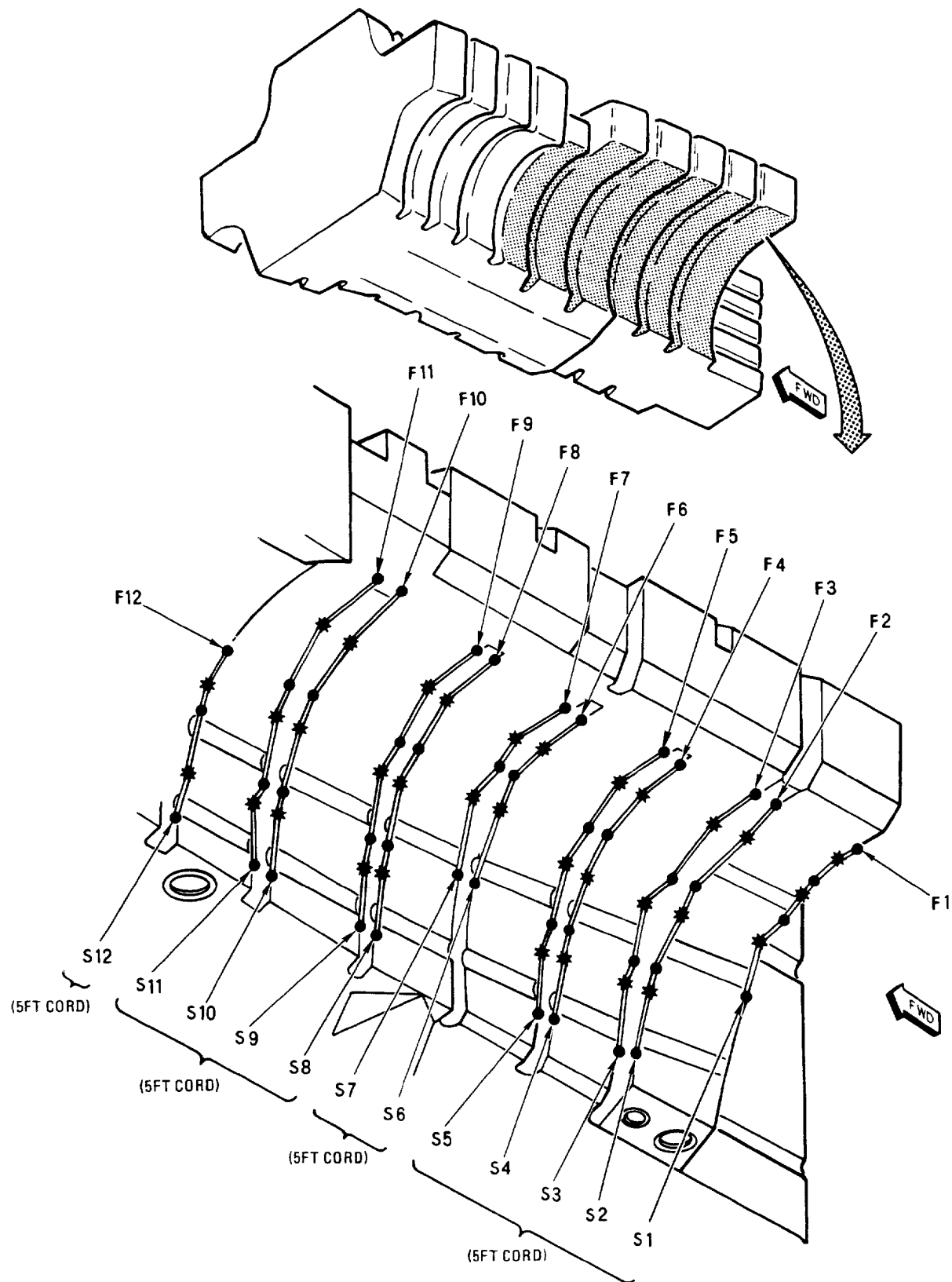
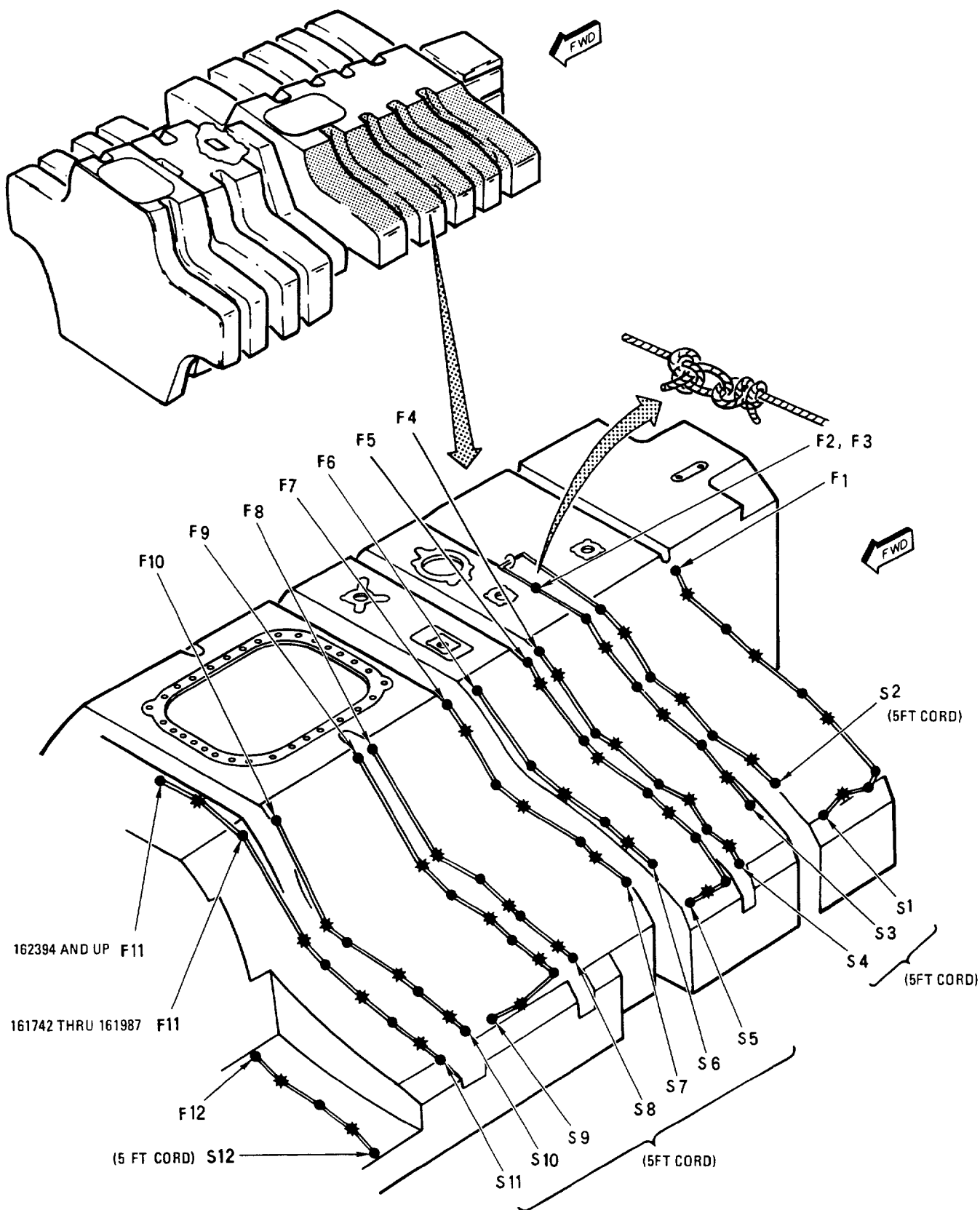


Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 7)



3000208

Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 8)



3000209

Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 9)

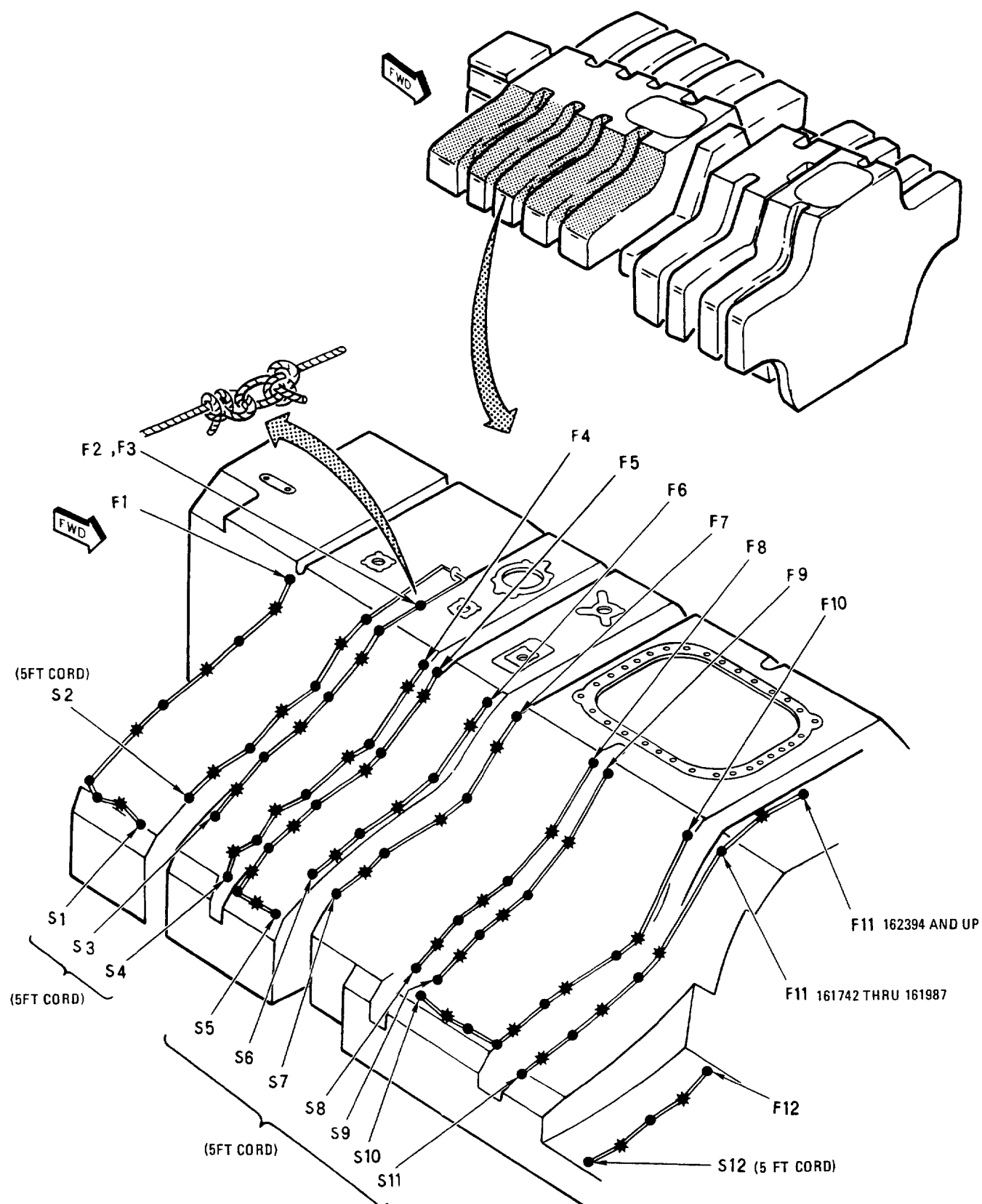


Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 10)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
1	G57NB-4	NO. 4 FUEL TANK LACING - 161742 AND UP									
		. GROMMET ASSY, BLIND (03296)							AR		PAOZZ
		(MCDONNELL SPEC 9M643-4)									

Figure 2. No. 4 Fuel Tank Lacing - 161742 AND UP (Sheet 11)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
REMOVAL - VENT TANK (5CAS592)
FUEL STORAGE SYSTEM

Reference Material

Fuel System Maintenance	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB-Vent Tank	WP033 00
Vent Tank Inspection and Folding	WP034 00
Vent Tank Cavity Foam Filler	WP034 01
Fuel Tank Cavity Thermal Blankets	WP036 01
Fuel Tank Cavity Repair	WP038 00
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00
Vent Tank Cavity Bulkhead Fittings and Supports	WP044 00
Line Maintenance Access Doors	A1-F18AC-LMM-010

Alphabetical Index

Subject	Page No.
Cavity Inspection	27
General	2
Materials Required	2
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation	Nomenclature
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
74D460138-1001	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 26066)	Tape, Pressure Sensitive
MIL-B-121, Type 1, Grade A, Class 1 (CAGE 80244)	Barrier Material (Heavy Paper or Canvas)

1. GENERAL.**NOTE**

For complete parts list, see Vent Tank IPB (WP033 00).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in a cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

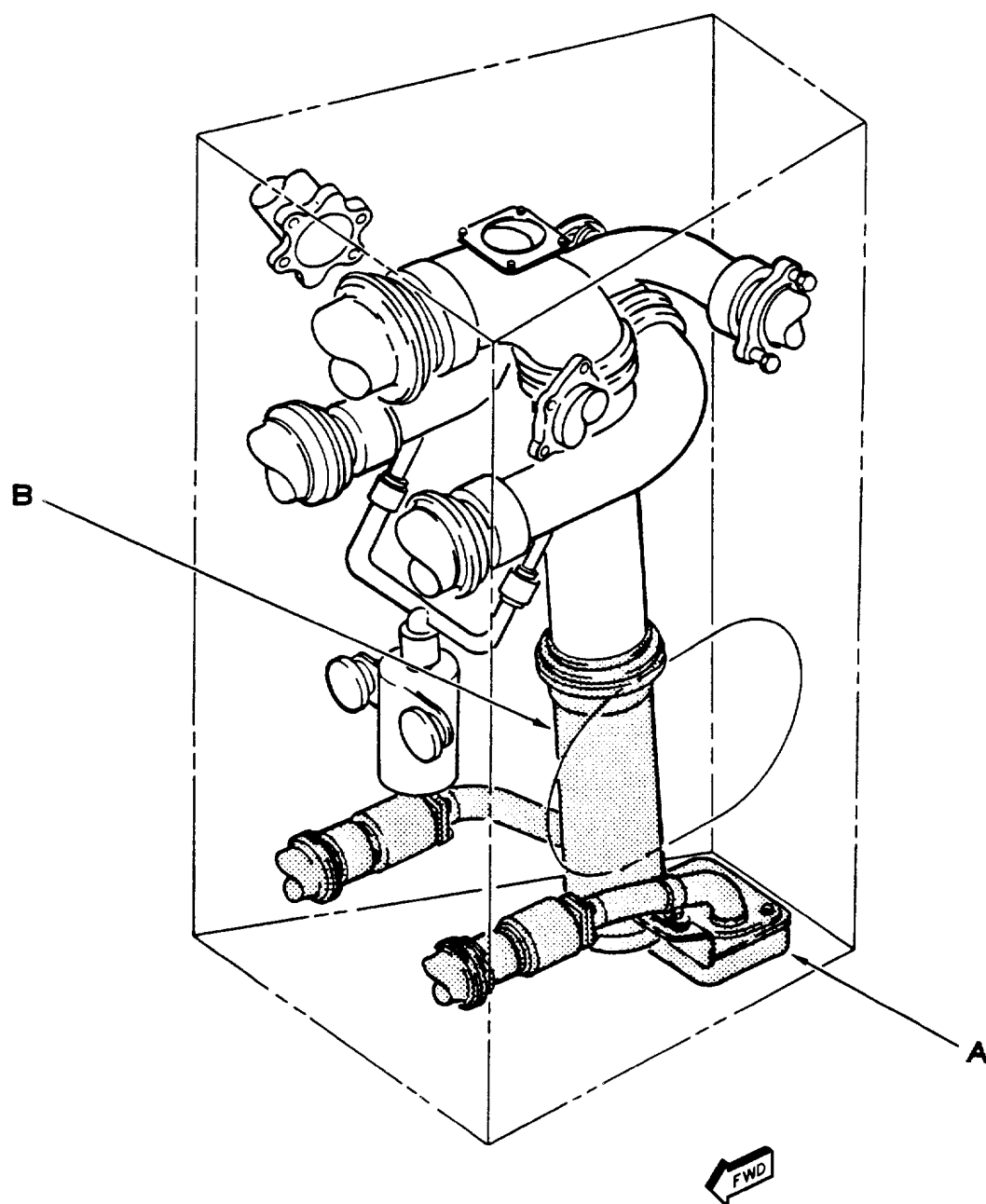
c. Tag assembly with index number that has been circled on artwork of procedure.

d. Keep parts grouped in containers after removal.

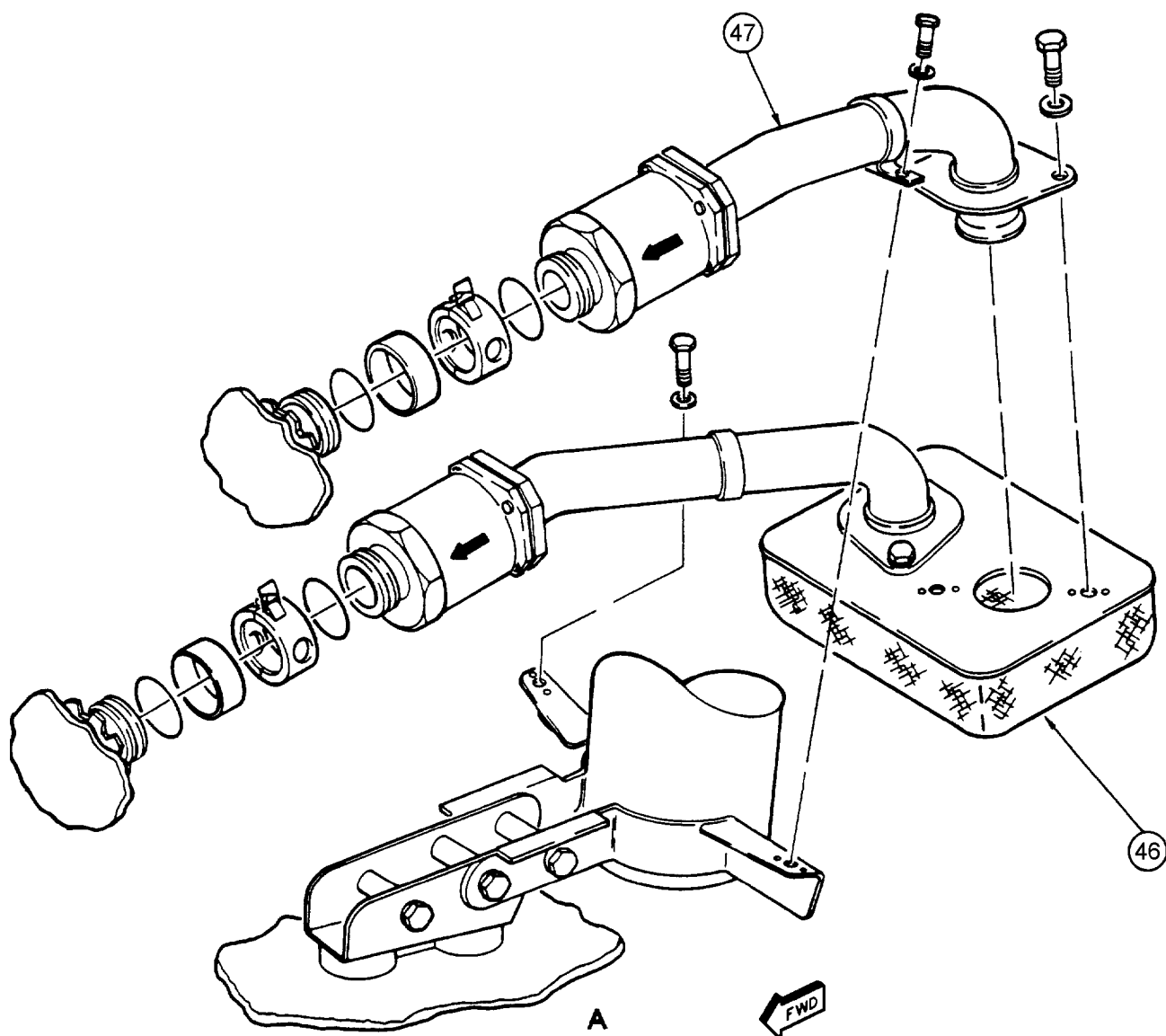
e. Do general preparation for removal (WP013 00).

2. REMOVAL.

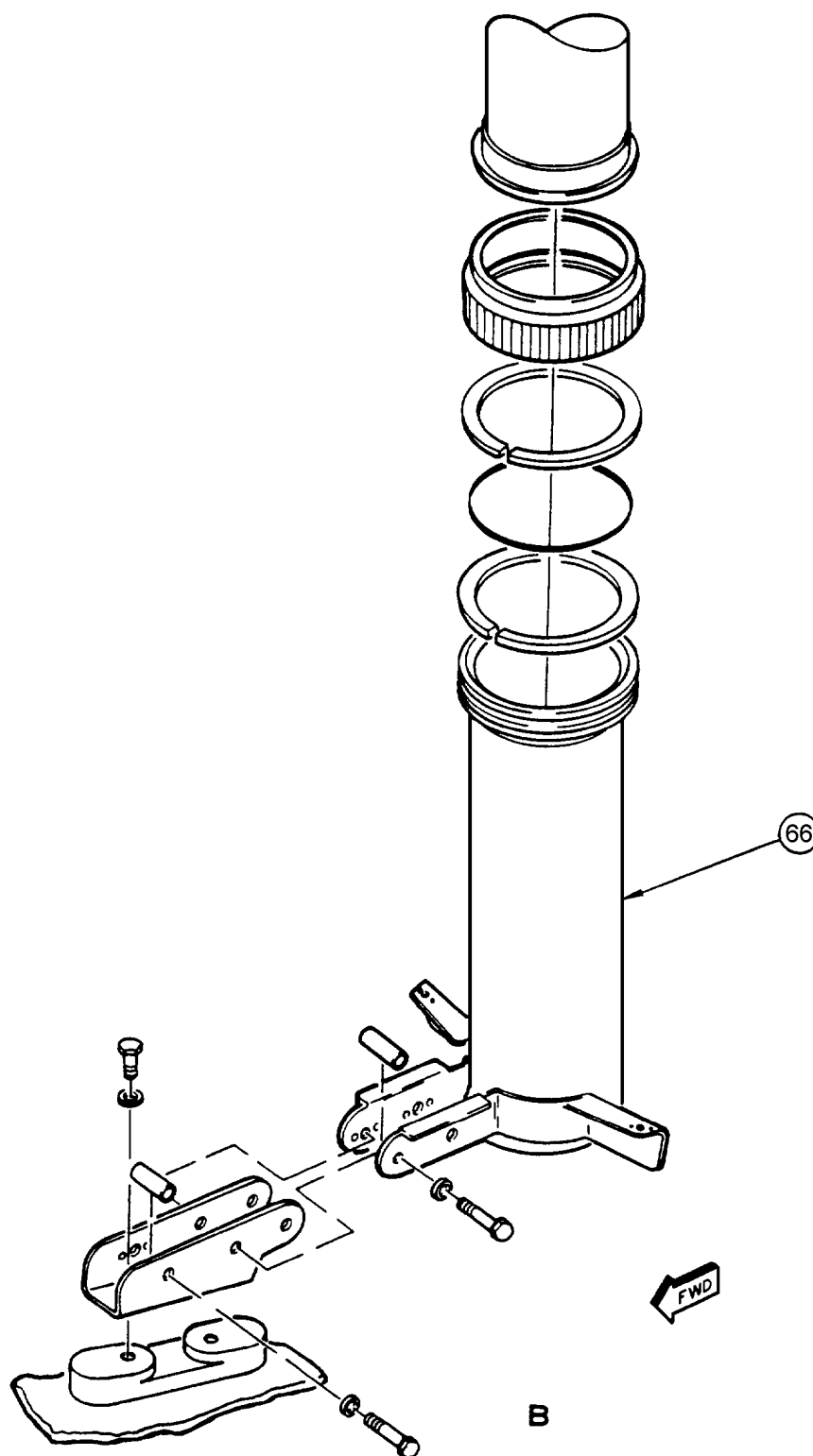
3. SEQUENCE 1.



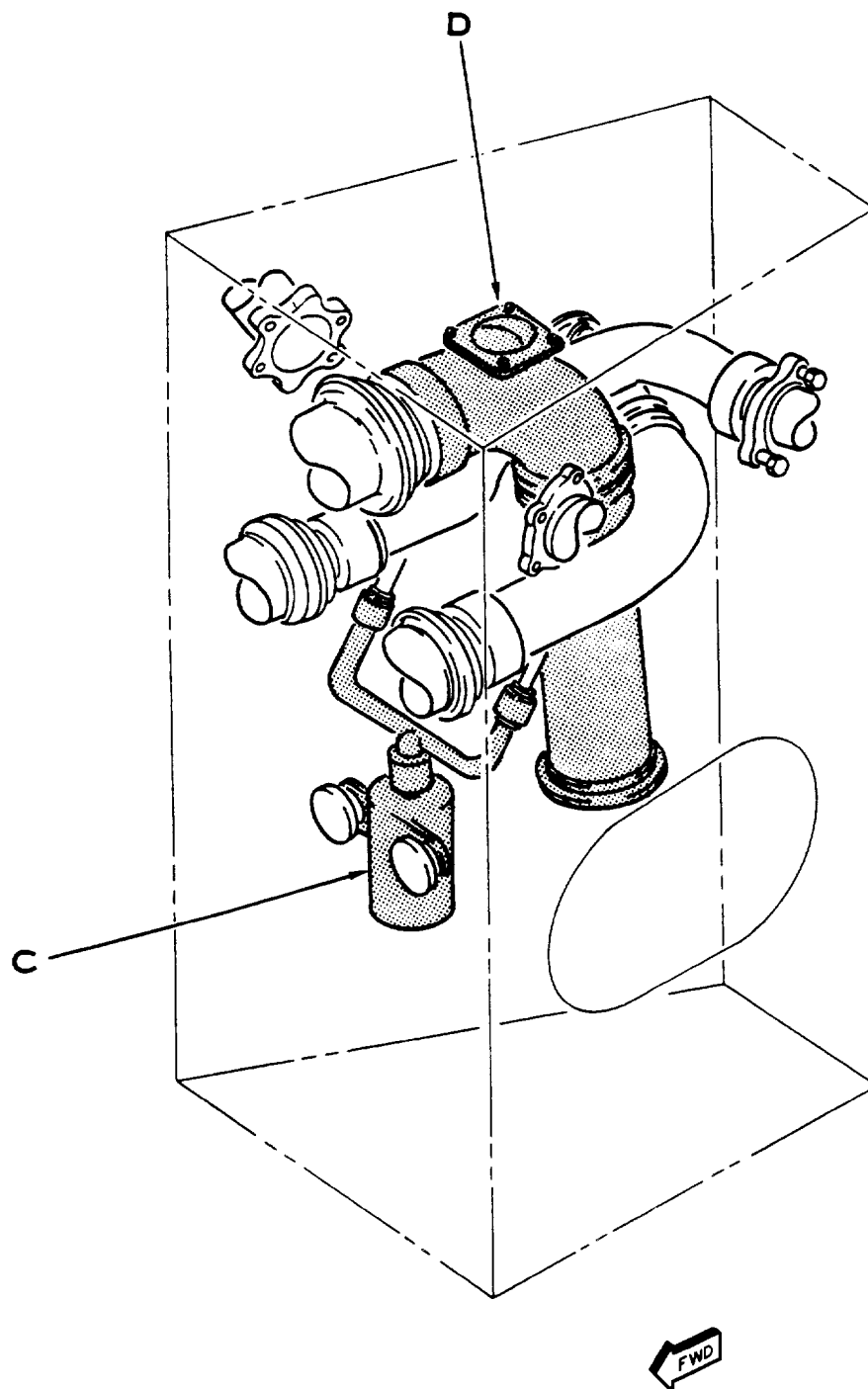
- a. Remove tube (47) and related parts.
- b. Remove strainer (46) and related parts.



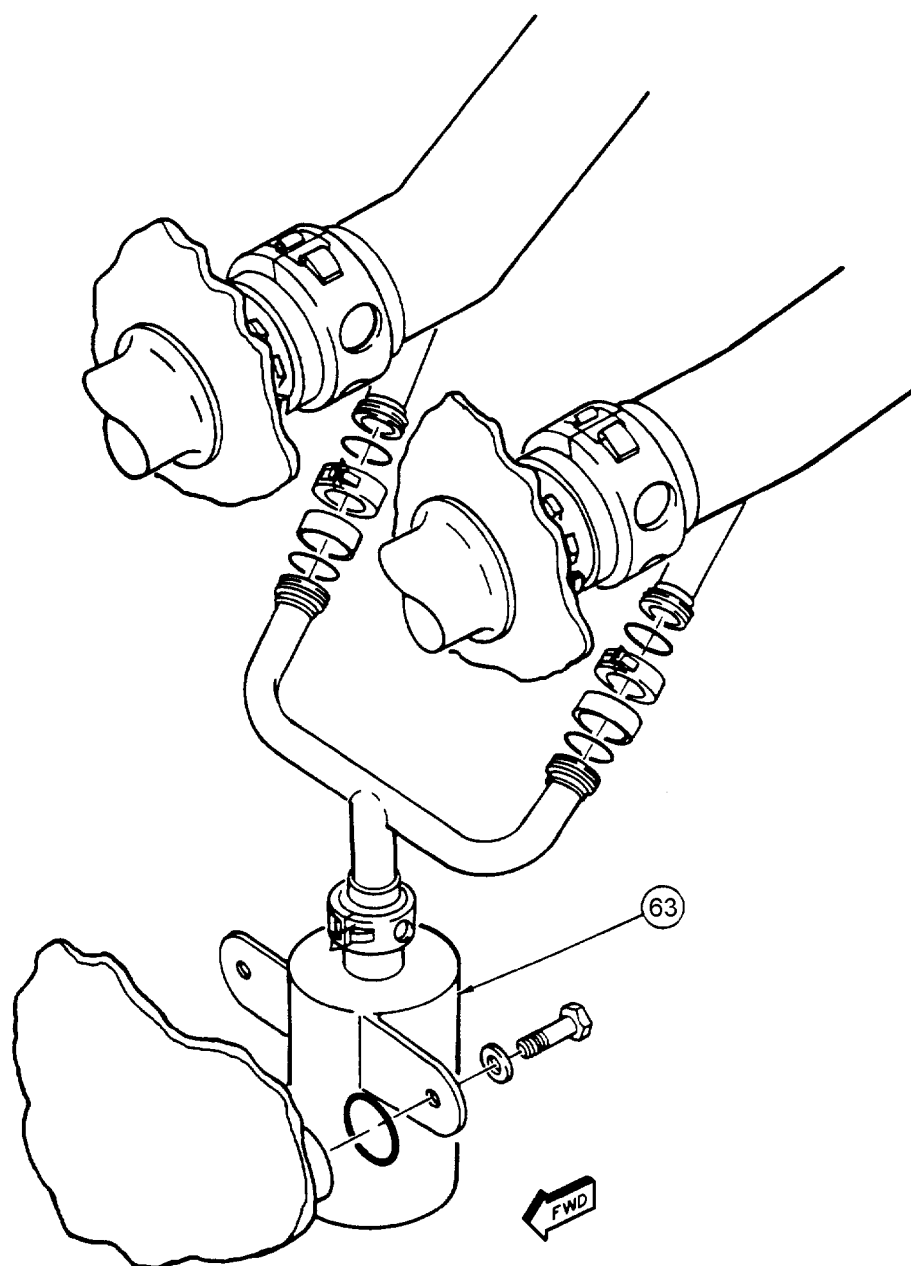
c. Remove tube (66) and related parts.



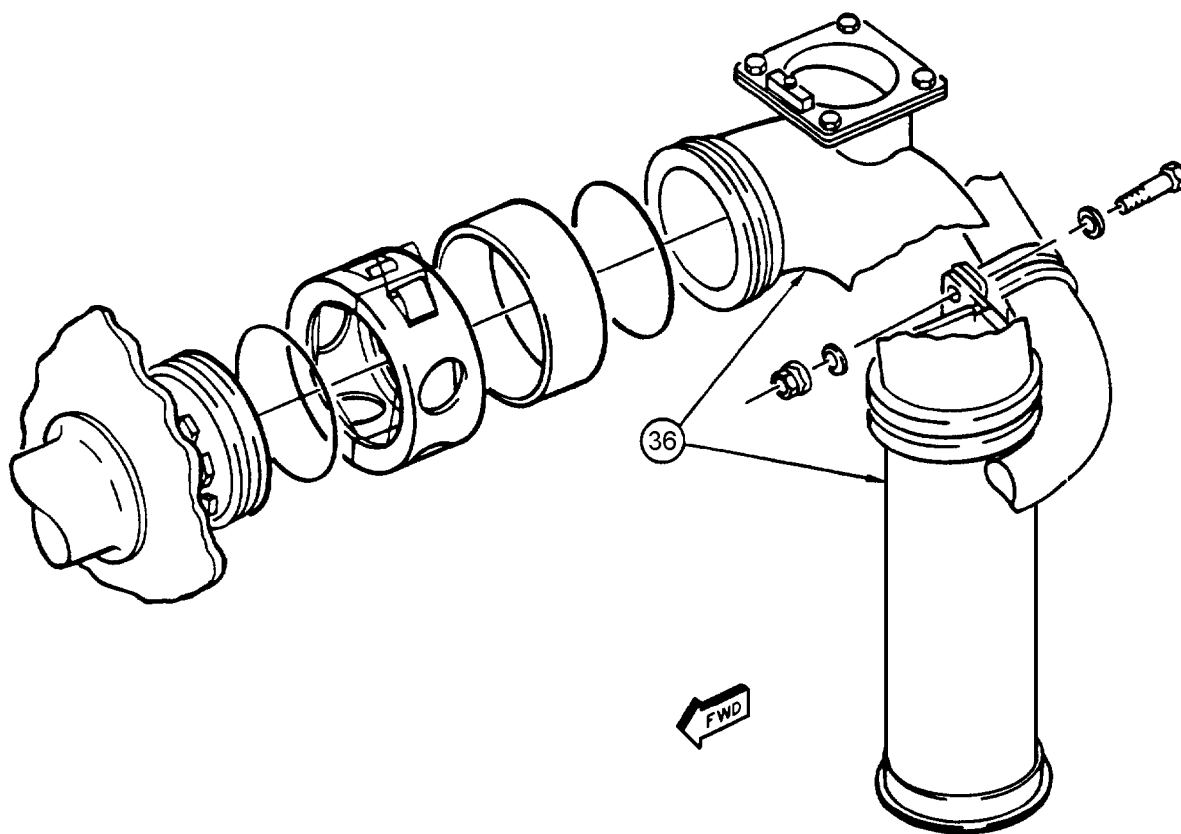
4. SEQUENCE 2.



- a. Remove valve (63) and related parts.

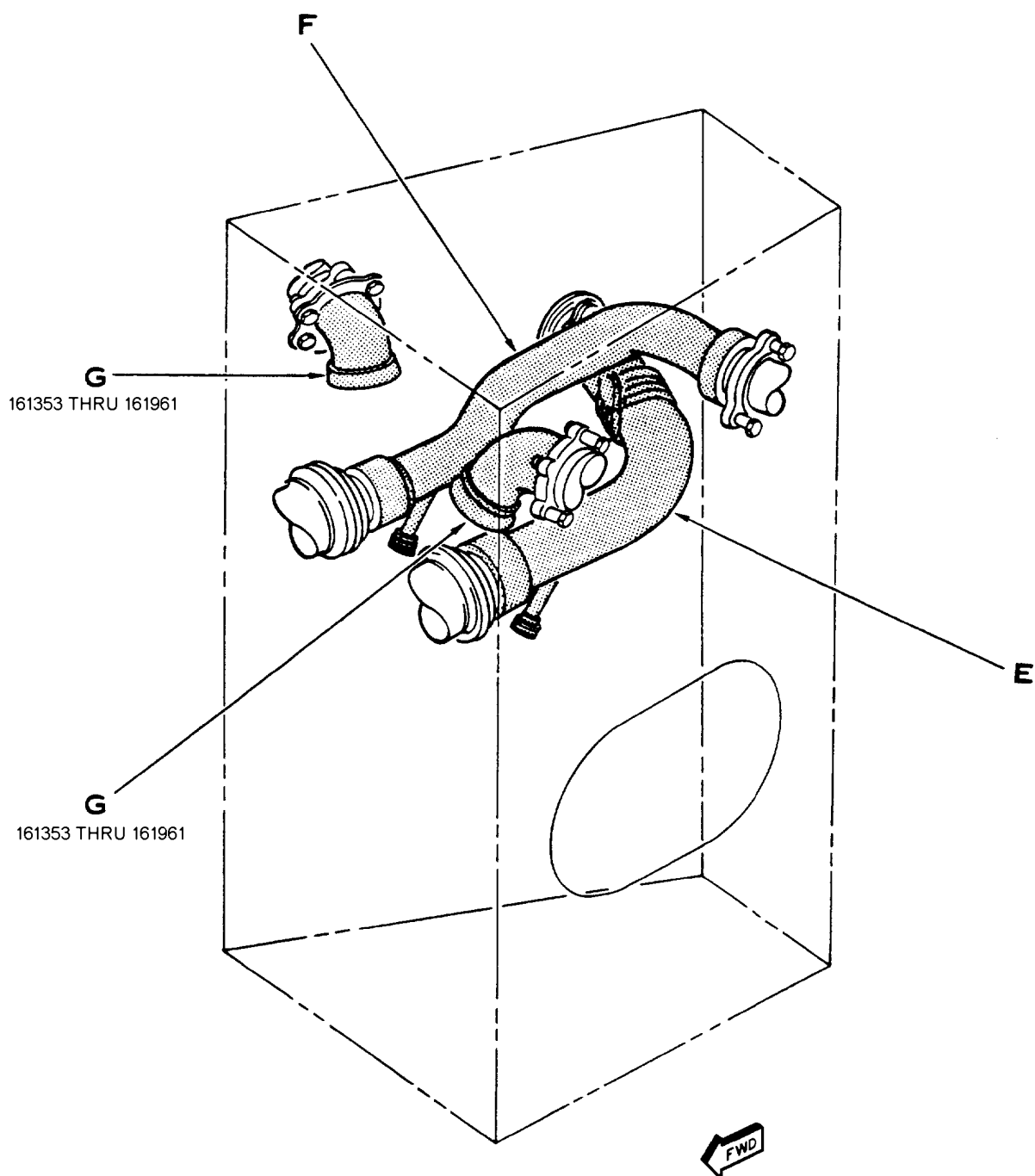


- b. Remove tube (36) and related parts.

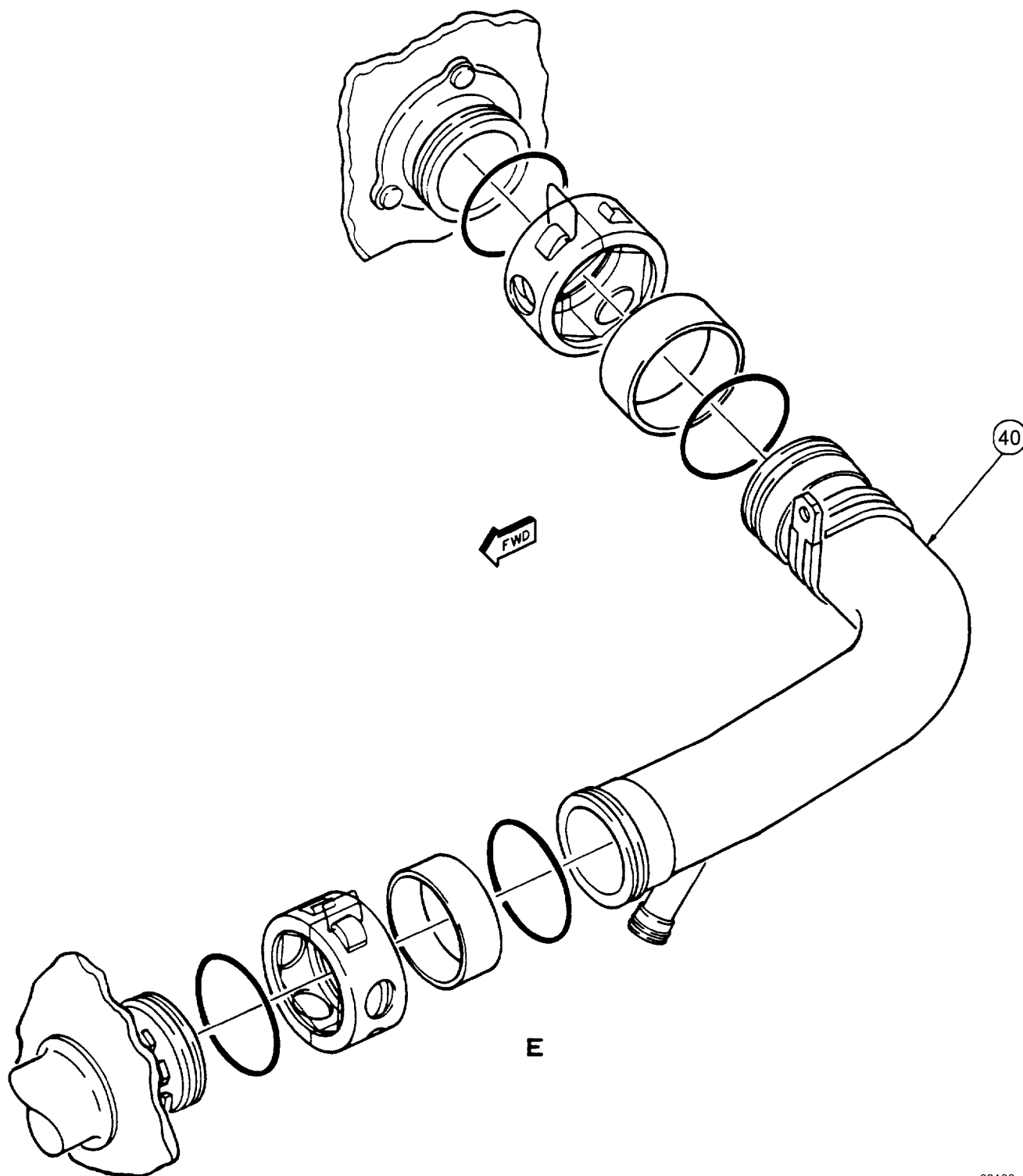


D

5. SEQUENCE 3.

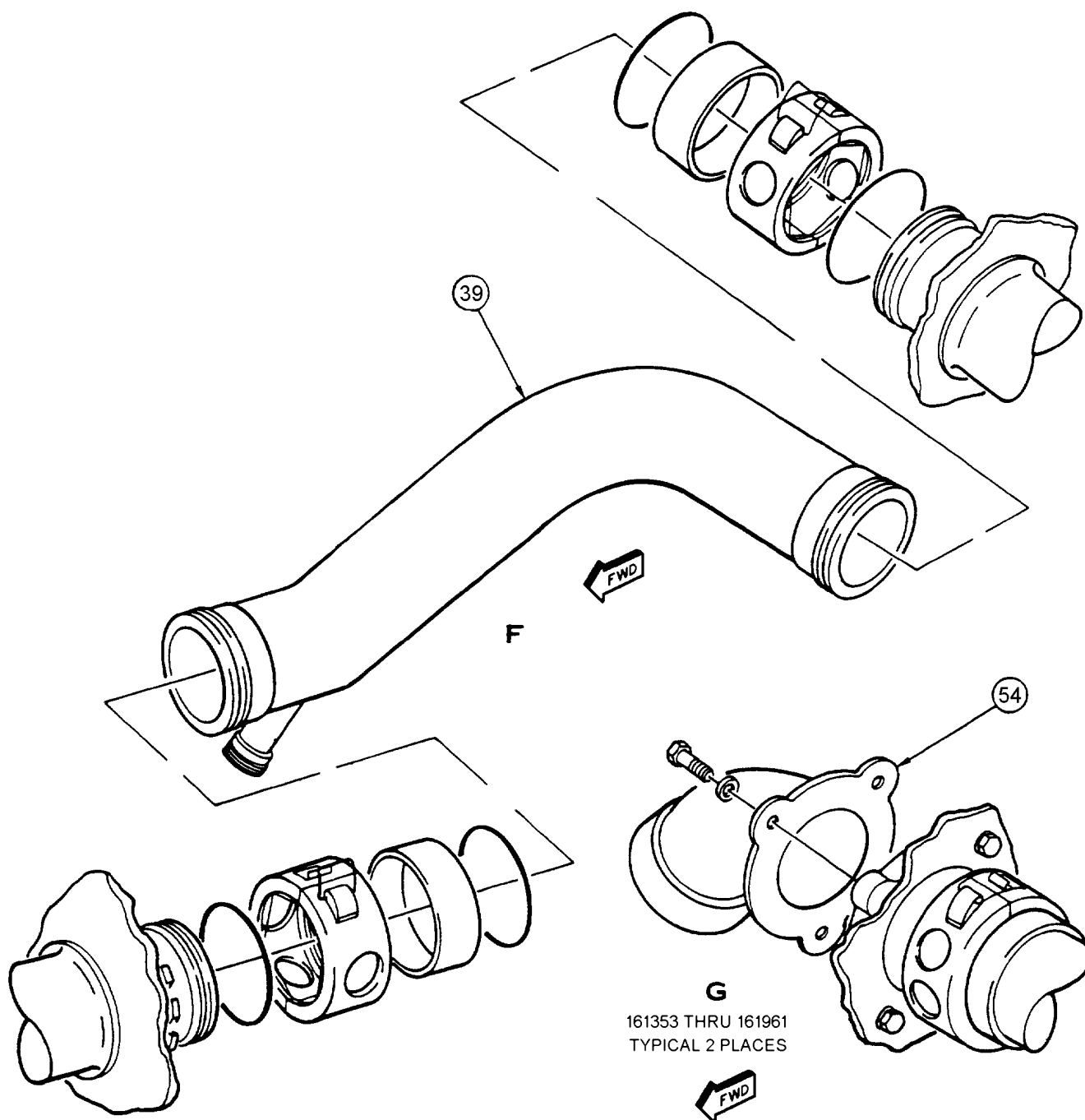


- a. Remove manifold (40).

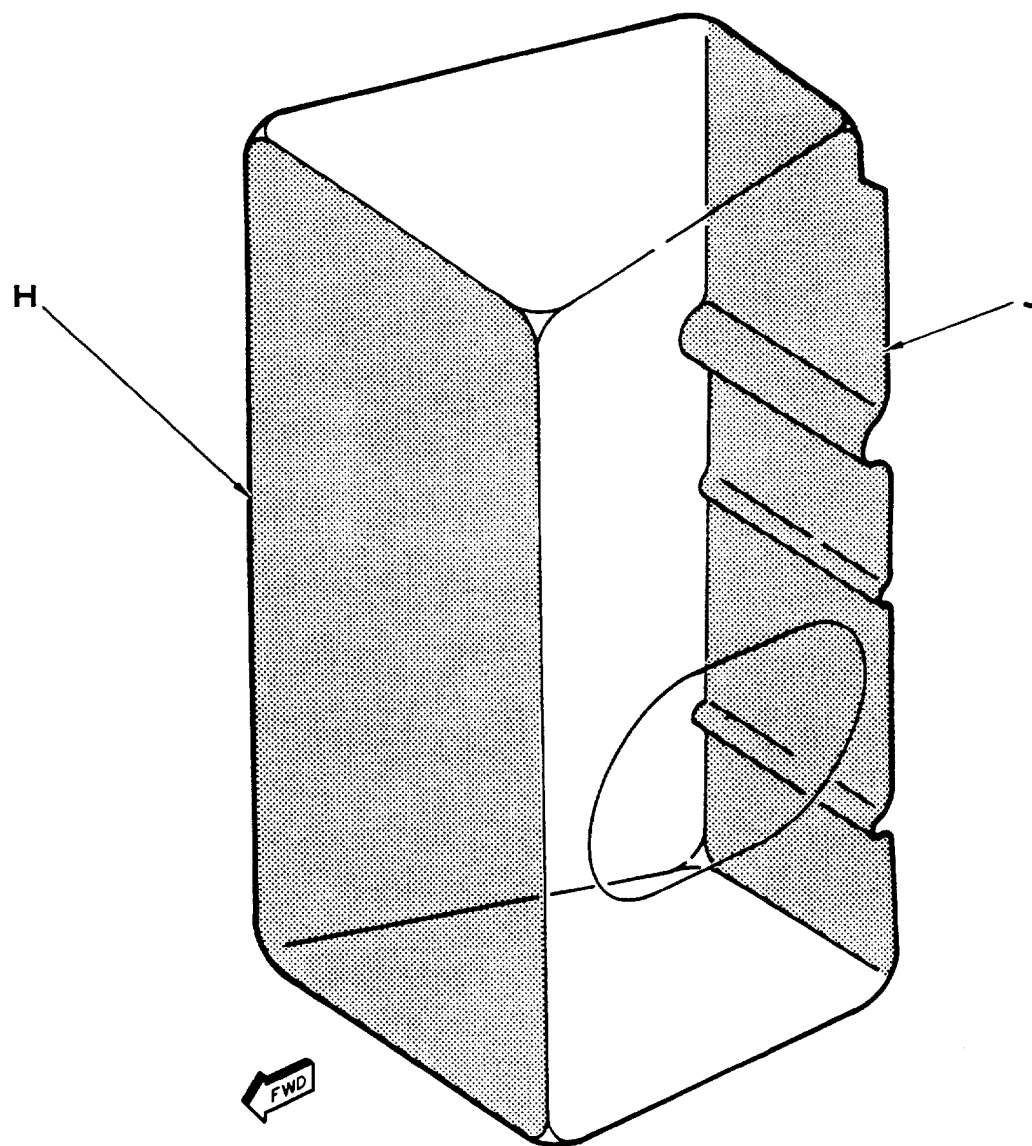


b. Remove manifold (39).

c. On 161353 THRU 161961, remove diverters (54).



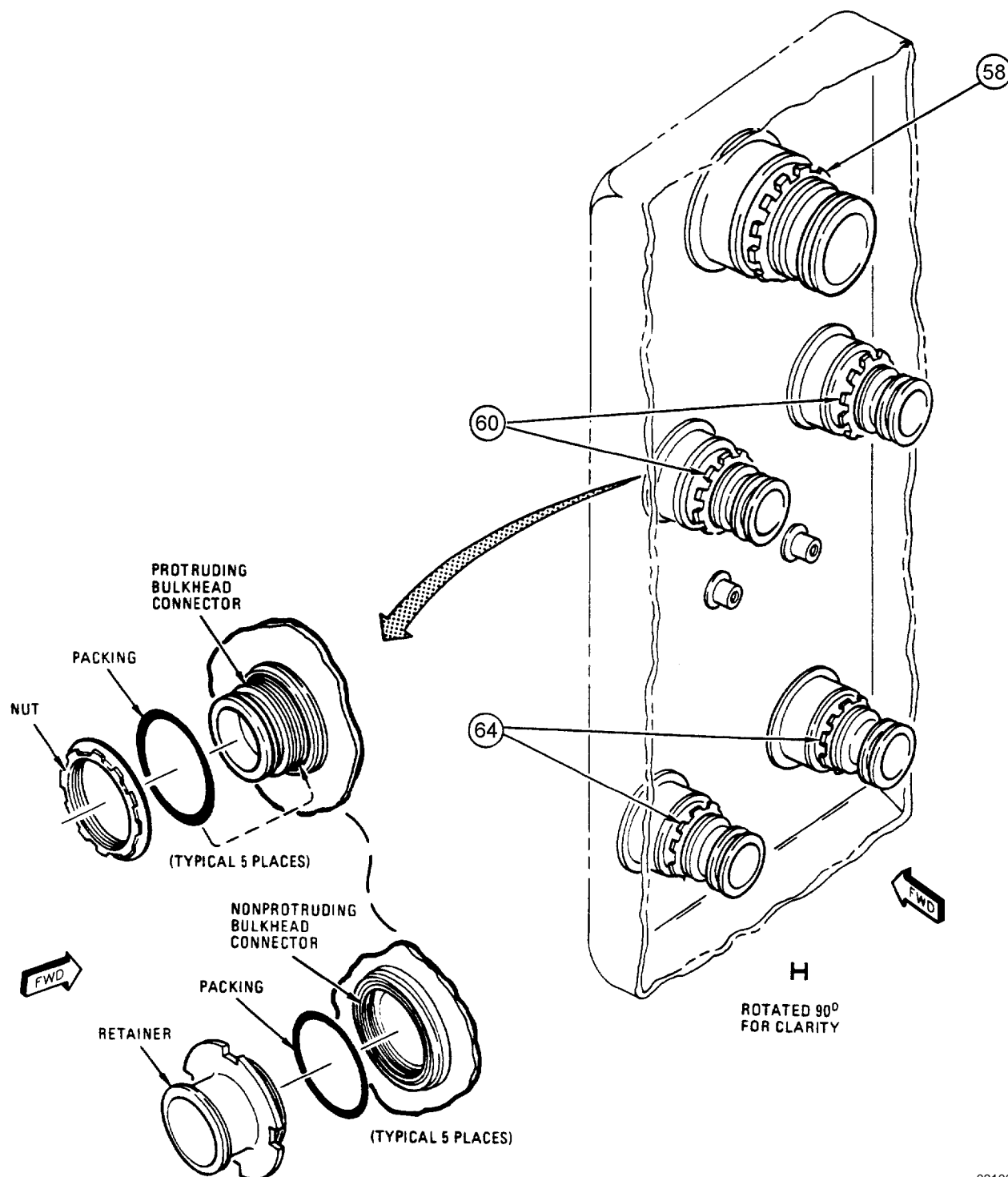
6. SEQUENCE 4.



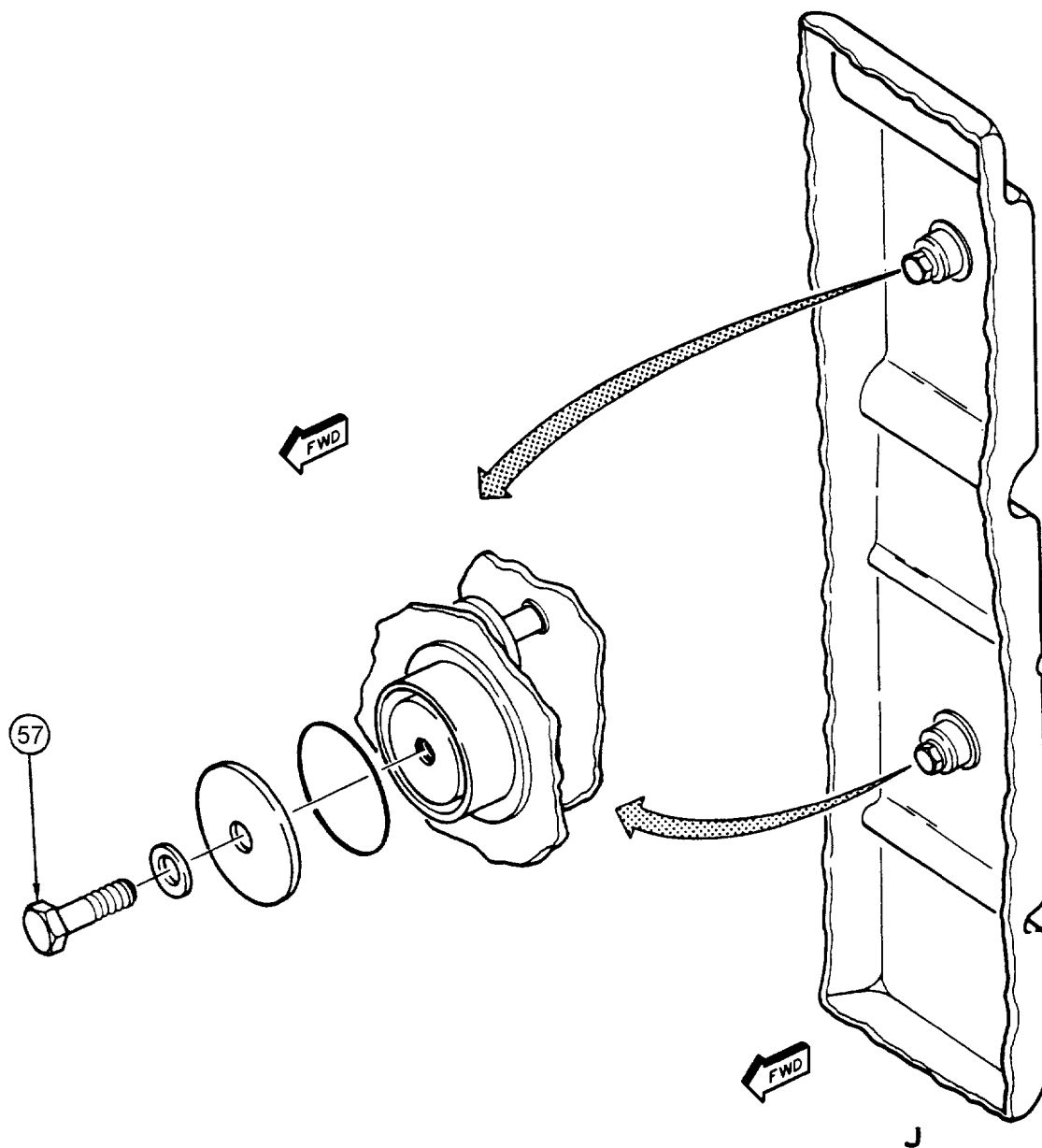
NOTE

To allow time to get replacement bulkhead nuts/retainers, running torque should be verified per WP013 00 during bulkhead nut/retainer removal.

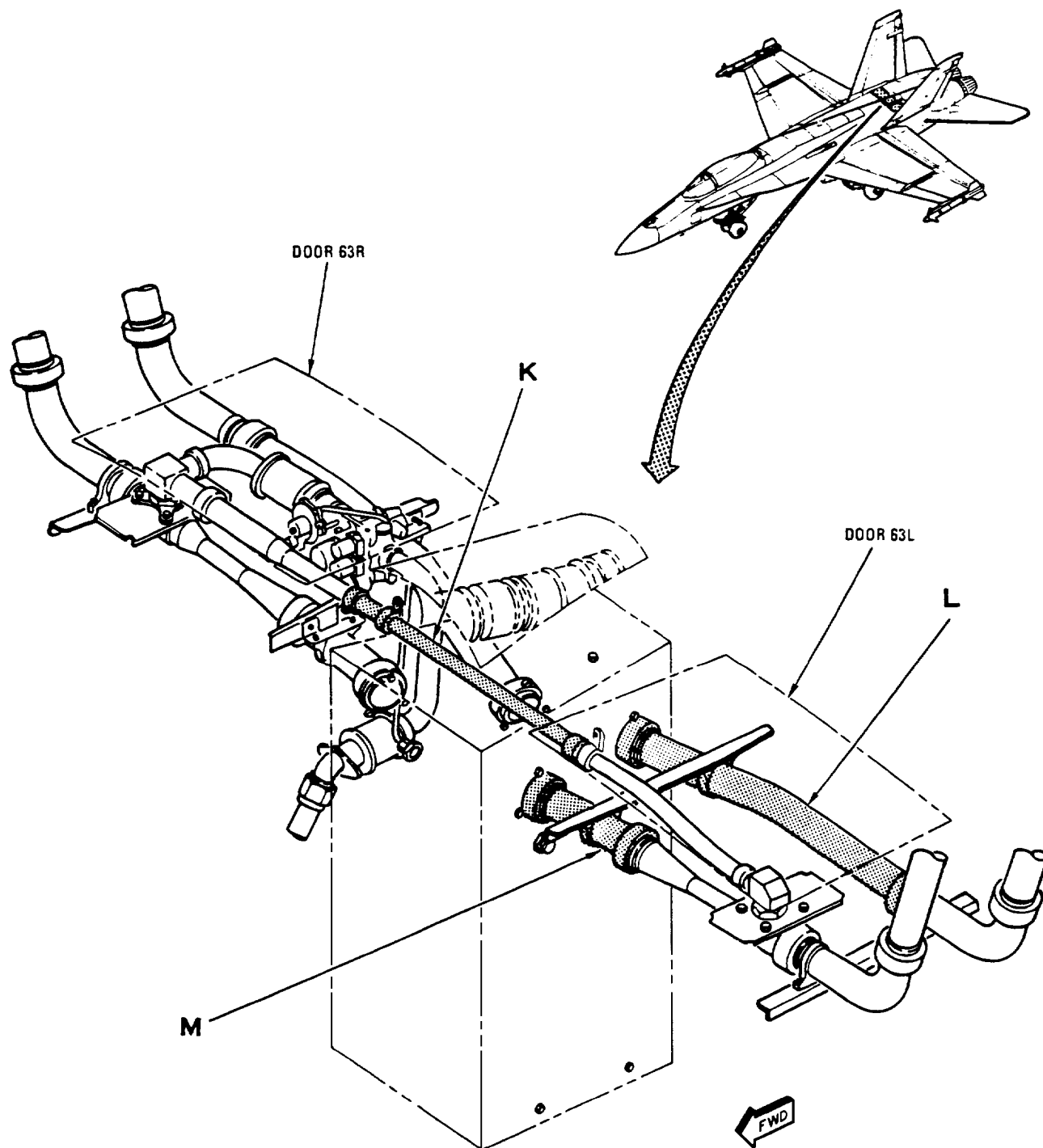
- a. Remove nuts or retainers (58, 60 and 64).



- b. Remove bolts (57) and related parts.

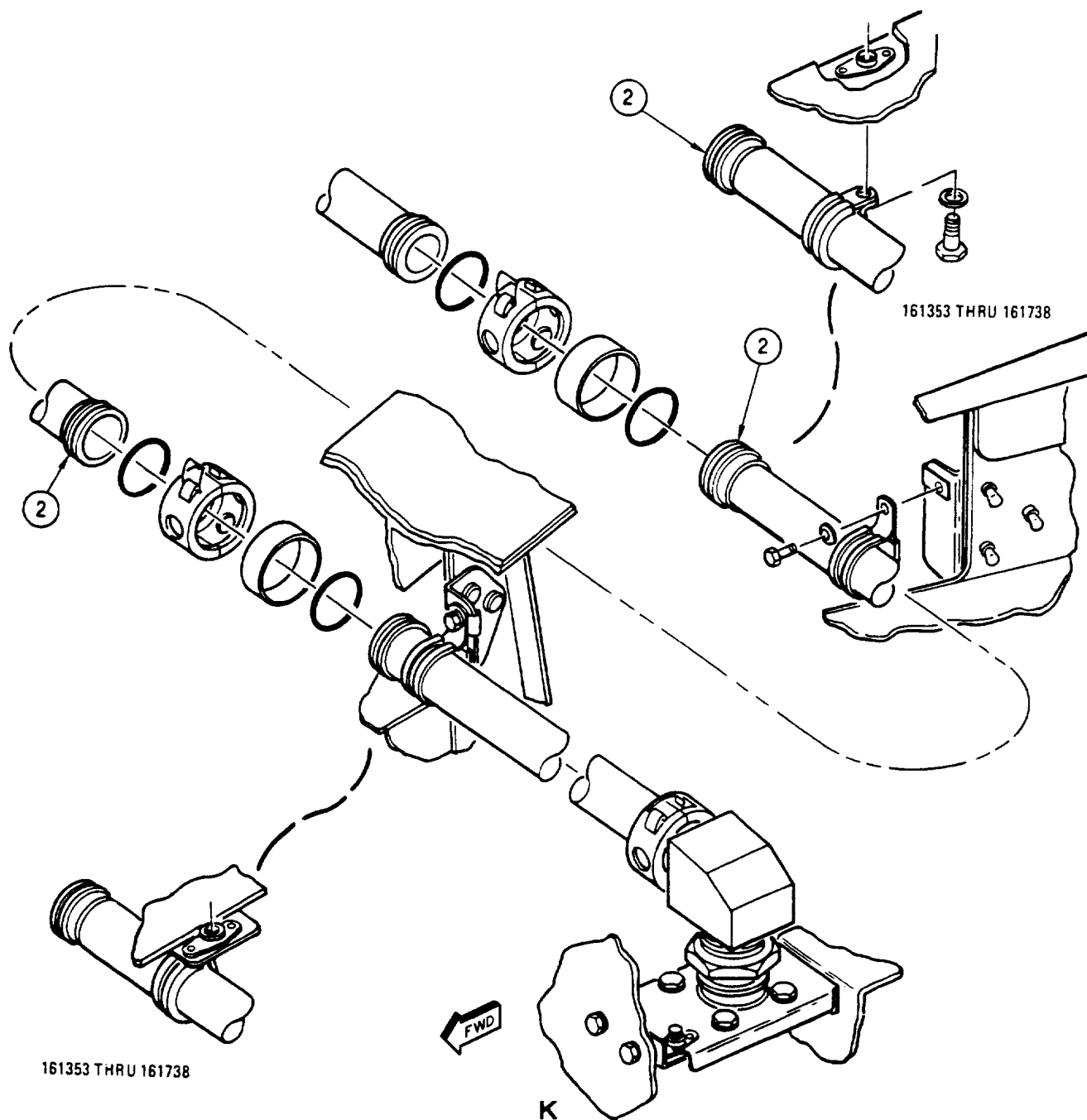


7. SEQUENCE 5.

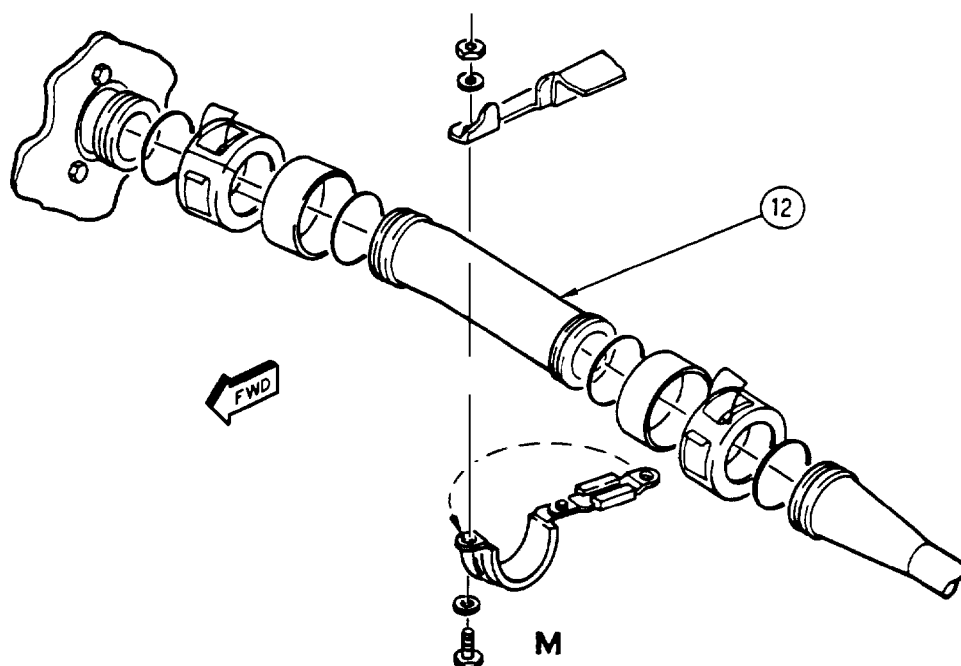
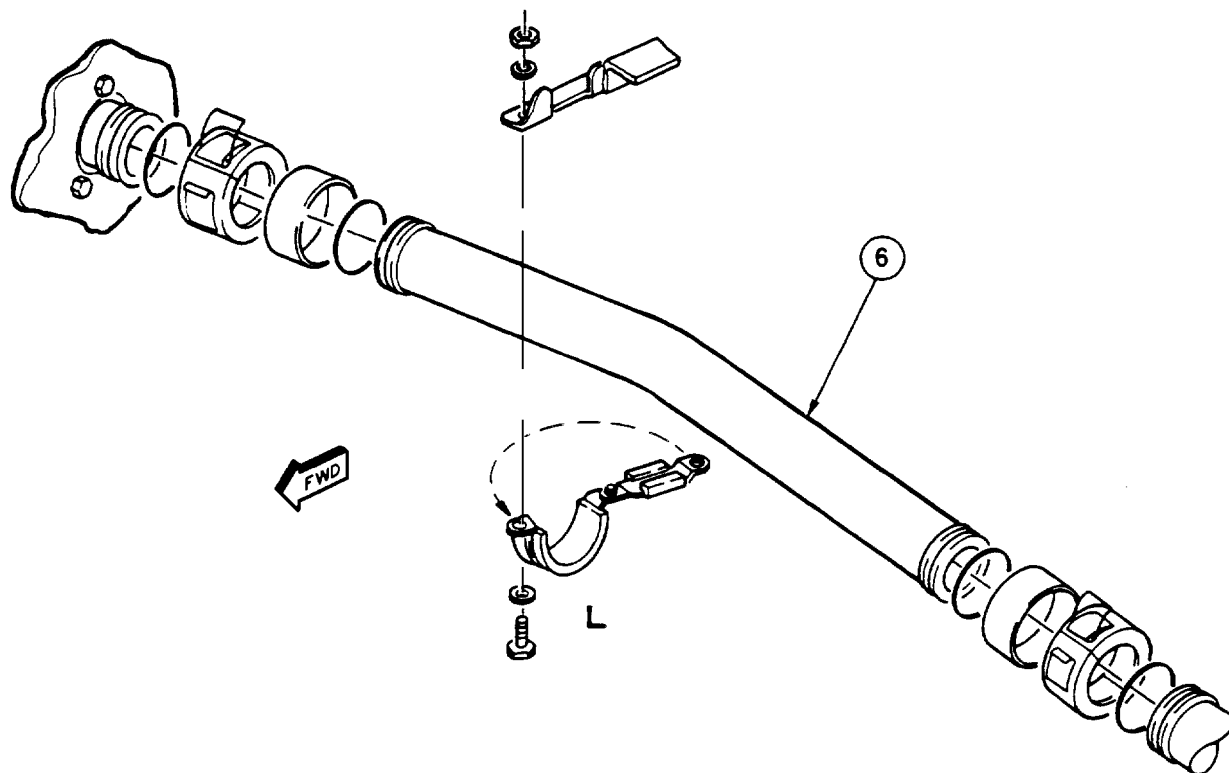


a. Remove doors 63L/R (A1-F18AC-LMM-010).

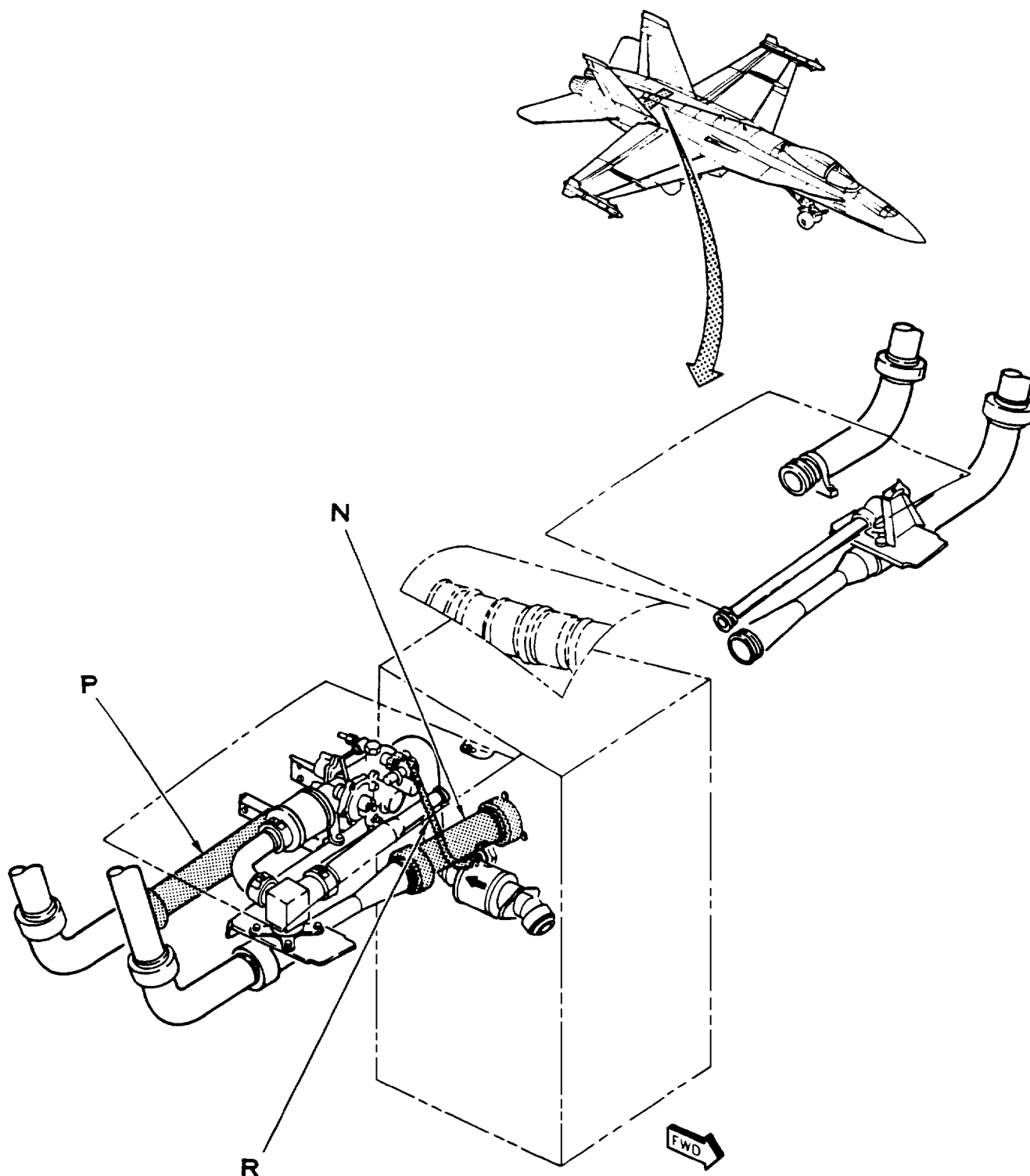
b. Remove tube (2).



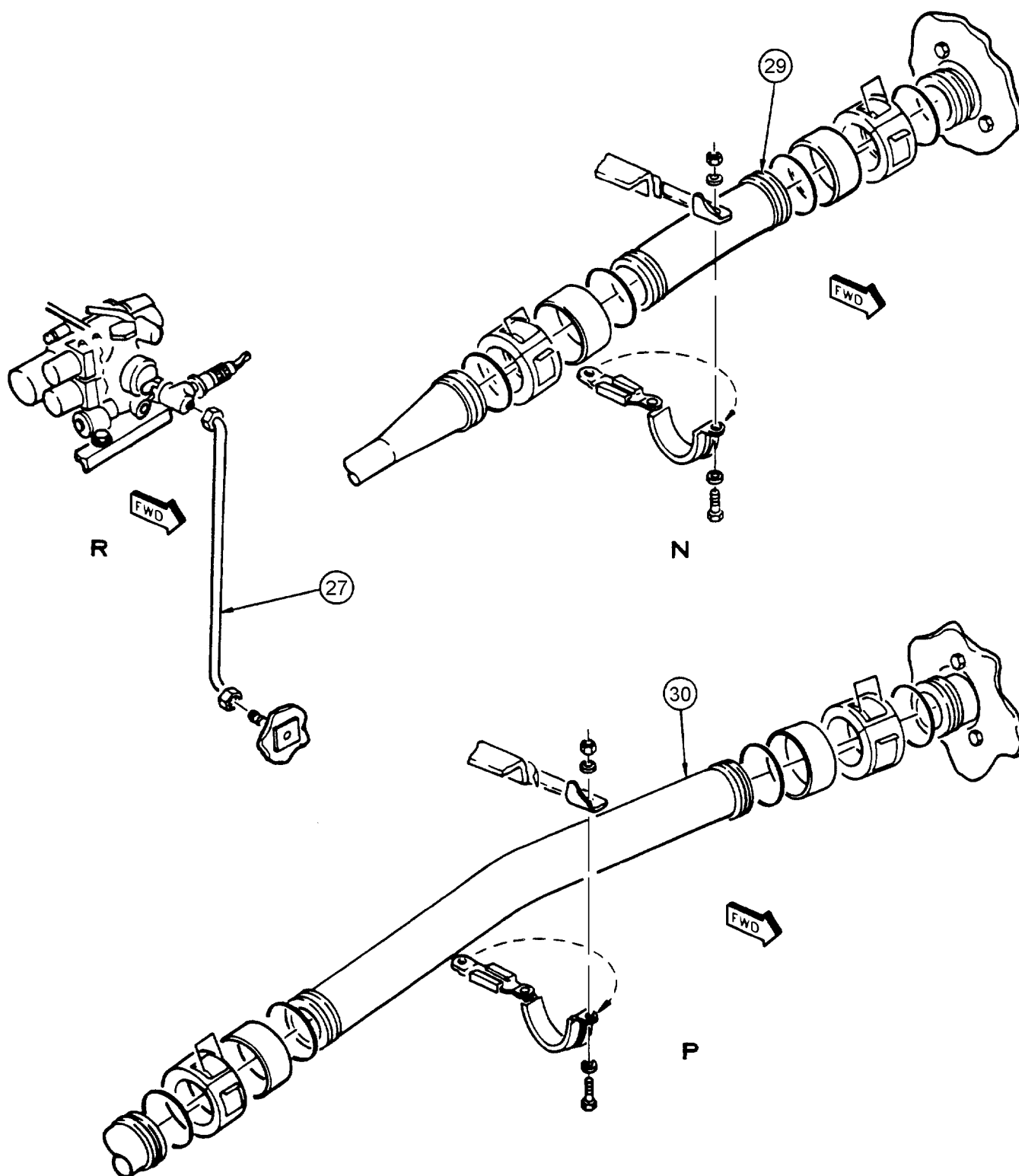
c. Remove tubes (6 and 12).



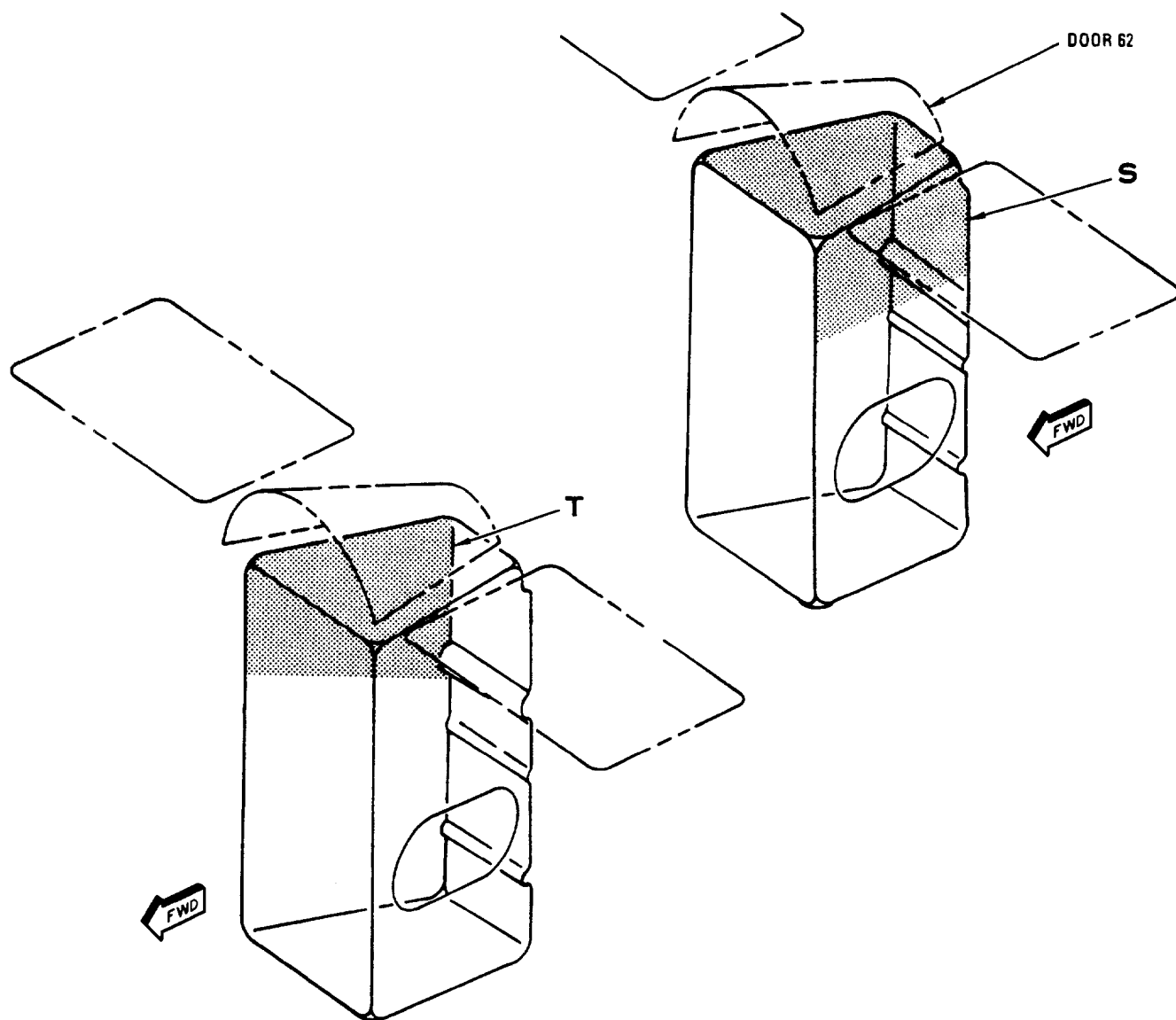
8. SEQUENCE 6.



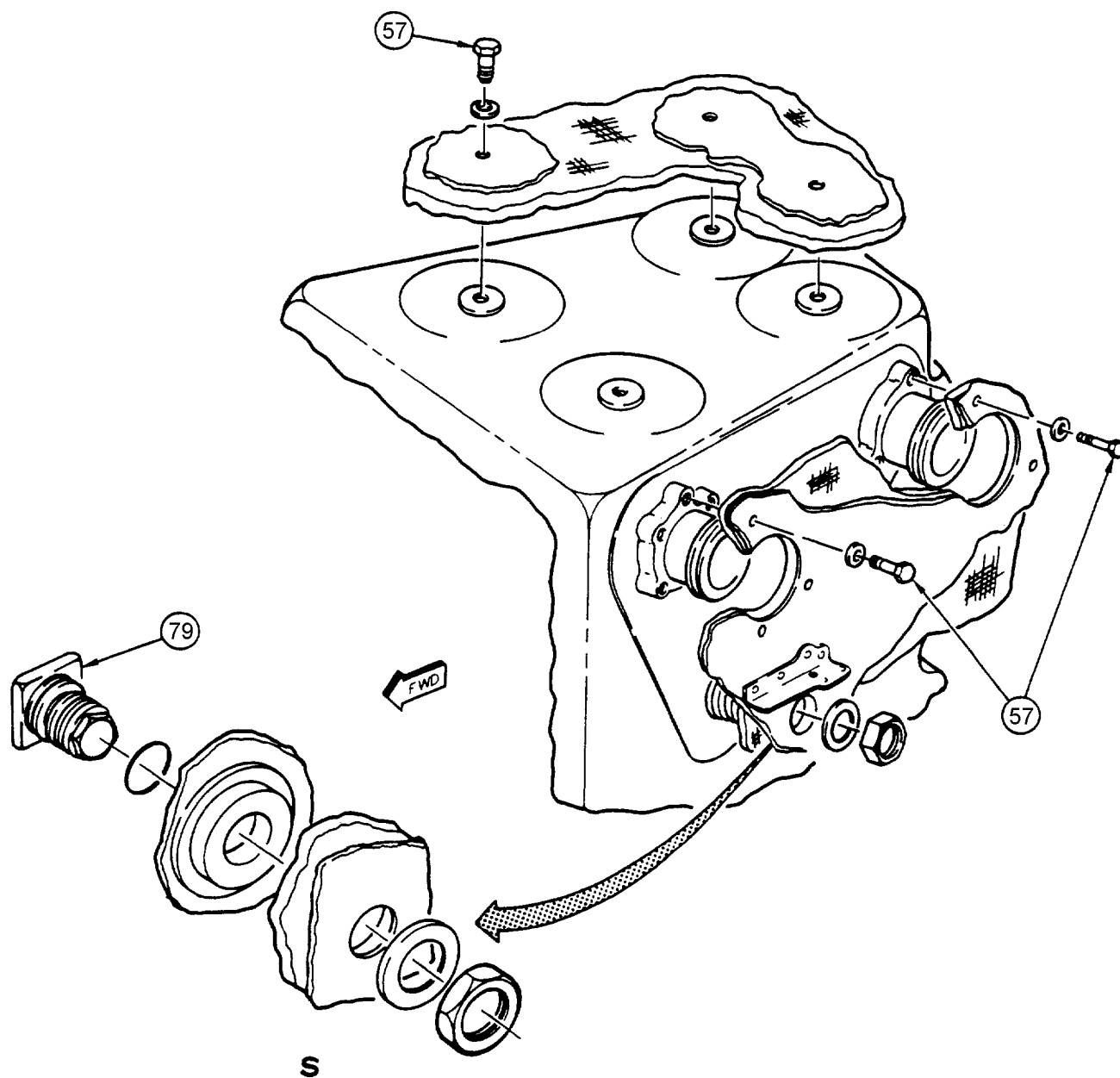
a. Remove tubes (27, 29 and 30).



9. SEQUENCE 7.

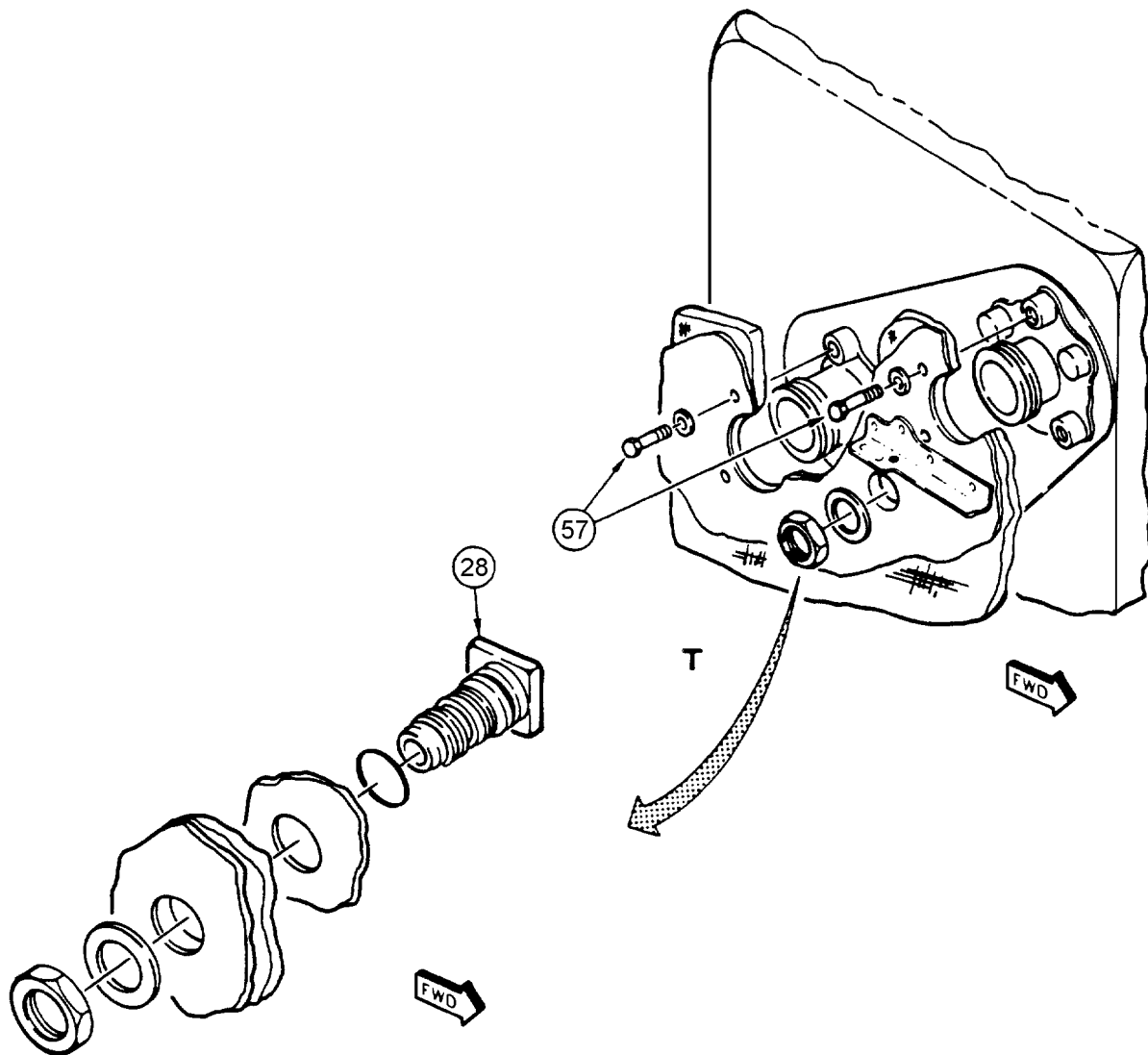


- a. Remove door 62 (A1-F18AC-LMM-010).
- b. Remove bolts and washers (57), lockwire and related parts.

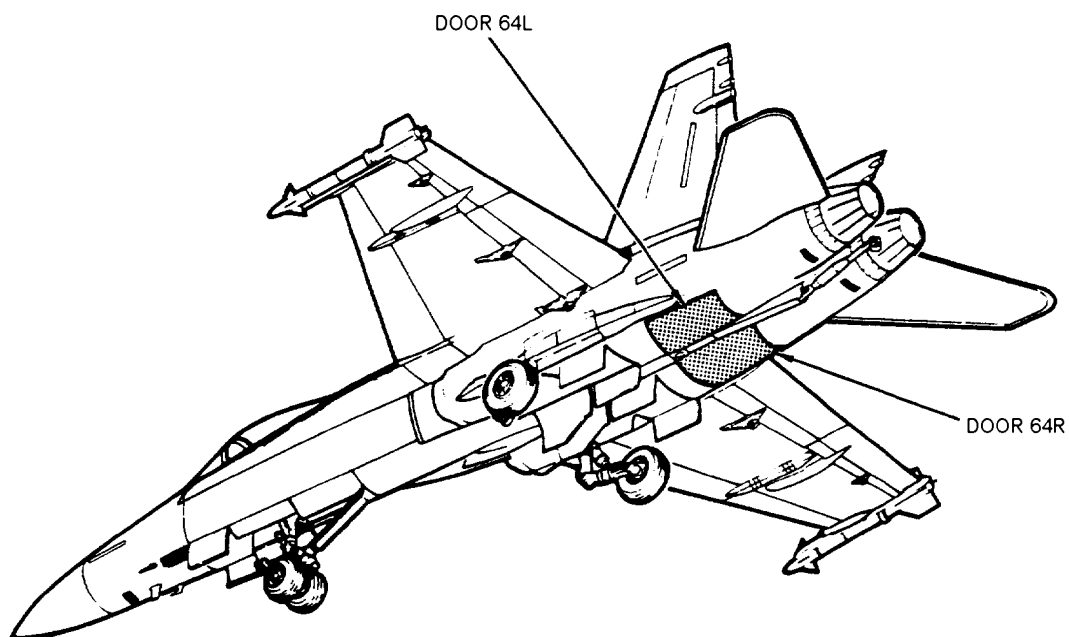


c. Remove bolts and washers (57).

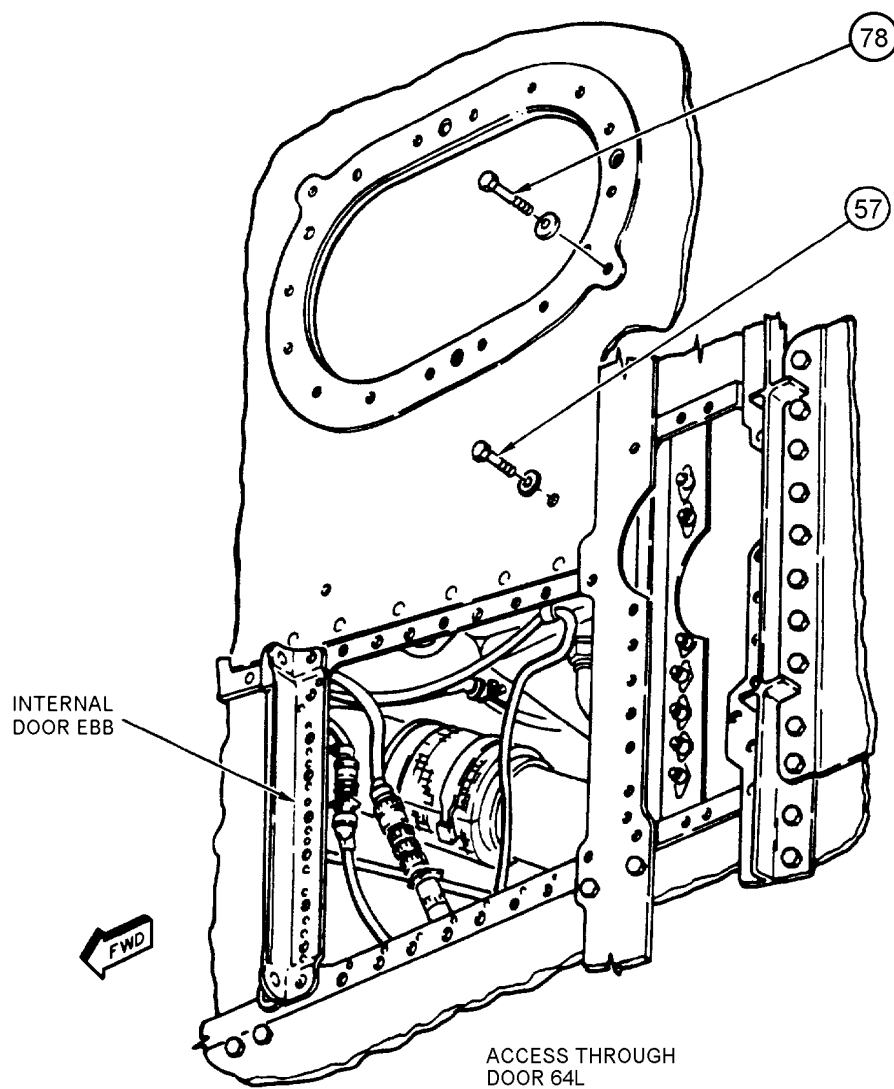
d. Remove lockwire, connector (28) and related parts.



10. SEQUENCE 8.



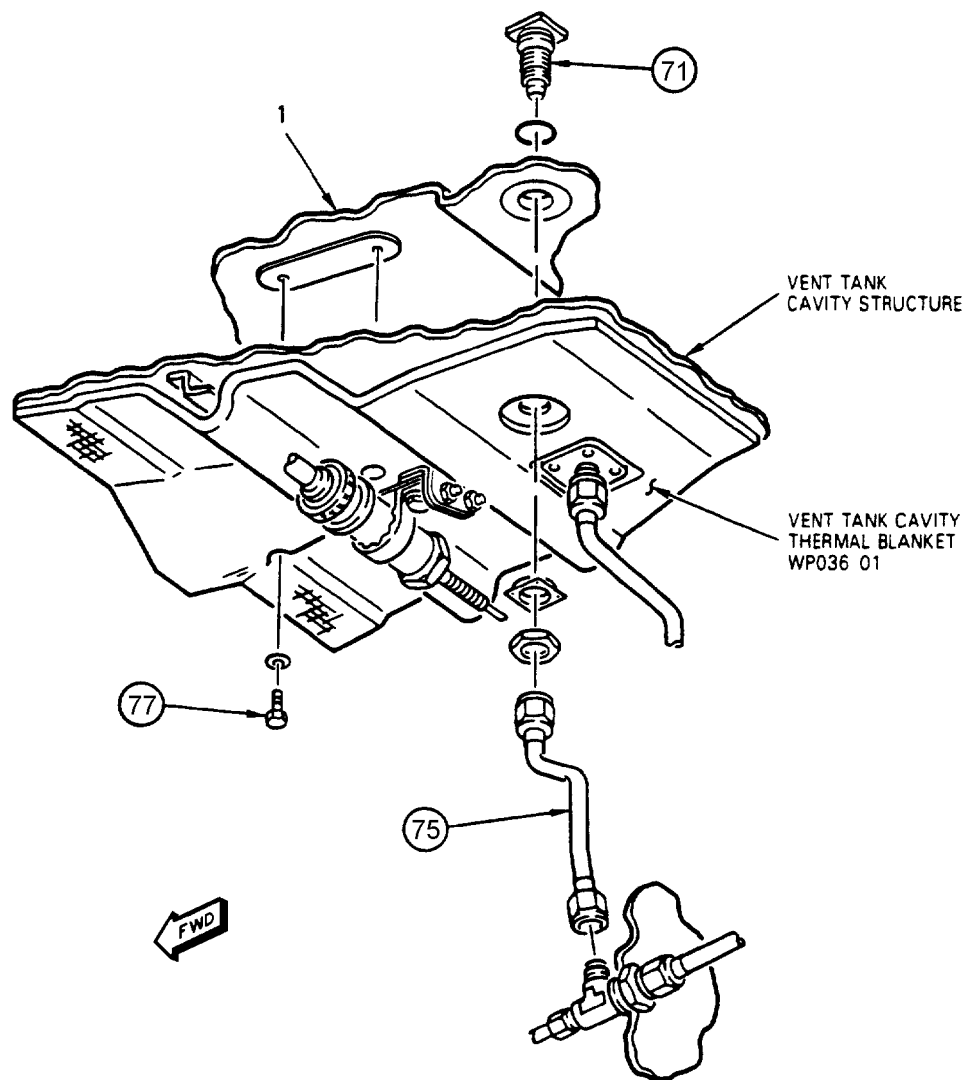
- a. Remove bolts and washers (57 and 78).
- b. Remove internal door EBB (A1-F18AC-LMM-010).



c. Remove bolts (77) and washers.

e. Remove connector (71) and related parts.

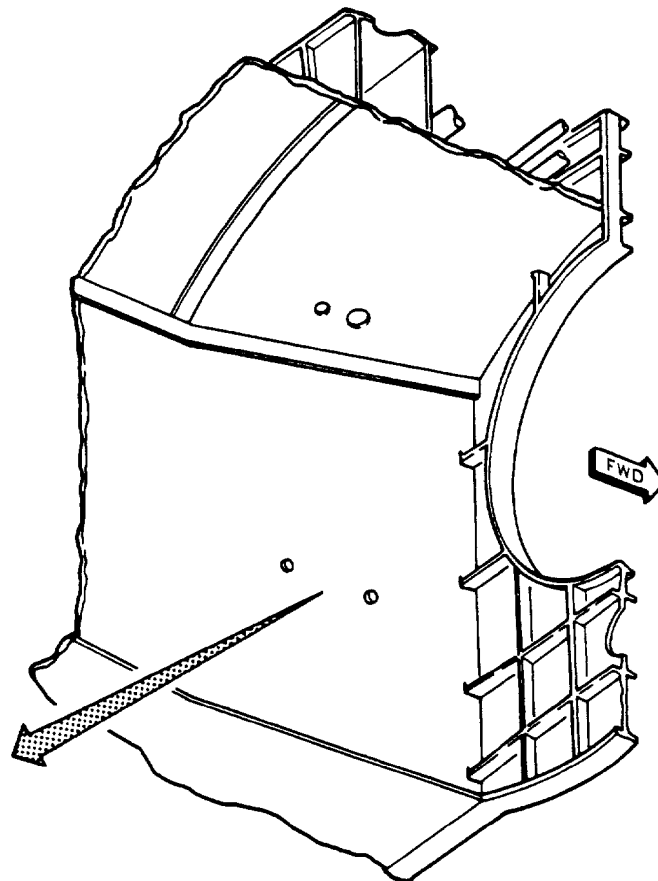
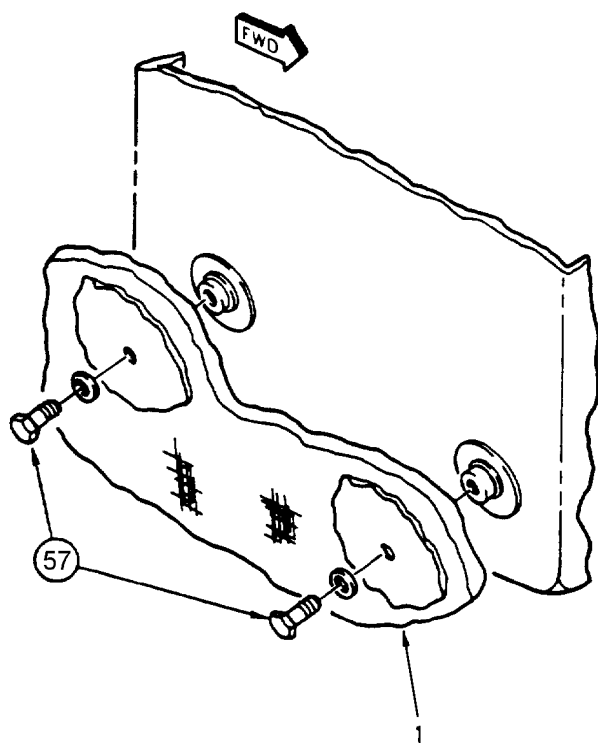
d. Remove tube (75).



ACCESS THROUGH INTERNAL DOOR EBB

f. Open door 64R (A1-F18AC-LMM-010).

g. Remove bolts and washers (57).



ACCESS THROUGH DOOR 64R
ENGINE SHOWN REMOVED
FOR CLARITY

11. **SEQUENCE 9.**

a. Apply tape to threads of all cavity protruding type bulkhead fittings.

b. With hand between tank (1) and cavity (as near as possible to bulkhead fitting), slide tank off bulkhead fittings. Position barrier material between bulkhead fitting and tank fitting.

c. Apply tape around the edge of the cavity access door.

d. Do vent tank folding (WP034 00).

e. Remove protective tape, used packings, hardware and foreign material from fuel tank.

12. **CAVITY INSPECTION.** (QA)

Failure to do the steps below may result in damage to fuel tank.

a. Inspect for and clean (WP039 00) all fittings of:

(1) dirt

(2) paint

(3) grease

(4) corrosion

(5) foreign material that would prevent a correct seal

b. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:

(1) cracks

(2) scratches

(3) nicks

(4) distortion

(5) damaged threads

(6) damage that would cause mismatching, or prevent a correct seal

c. Inspect for and replace (WP036 01) thermal insulation blankets that are:

(1) damaged

(2) loose

(3) fuel soaked

NOTE

Thermal blanket on forward bulkhead must be removed, and top portion of thermal blanket on aft bulkhead must be loosened to inspect foam filler (WP036 01).

d. Inspect for and replace (WP034 01) all foam that is:

(1) loose

(2) damaged

(3) fuel soaked (fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00)

(4) missing

e. Inspect for and replace (WP039 00) all pressure sensitive tape that is damaged, loose or does not cover:

(1) rivet collars

(2) nuts

(3) bolts

(4) bucked head of rivets

(5) lap joints with a thickness of 0.126 inch or more

(6) sharp or rough areas of backing boards

(7) sharp edges that could chafe tank

f. Inspect for and replace lacing clips that are:

(1) damaged

(2) loose

(3) missing

g. Inspect complete cavity for:

(1) burrs

(2) sharp edges that could chafe tank

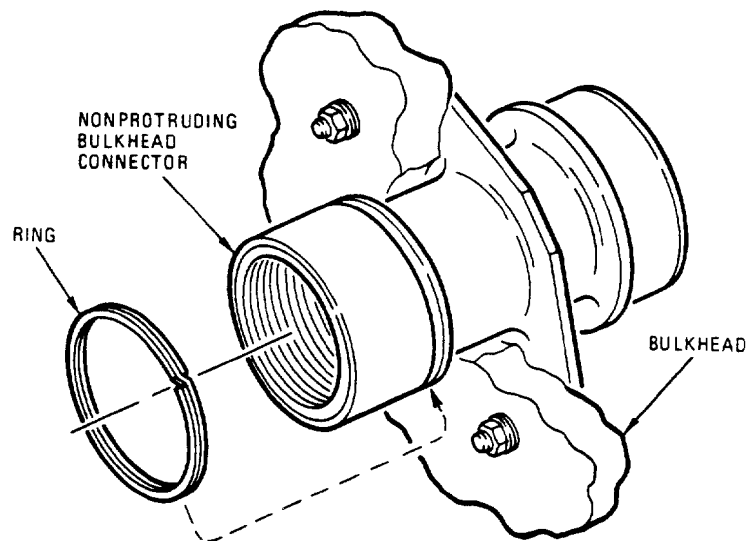
(3) cleanliness

(4) corrosion

NOTE

Bulkhead connectors have ring on one side only, opposite side has fixed flange.

h. Inspect applicable bulkhead connectors and replace (WP044 00) missing or damaged rings.



ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
INSTALLATION - VENT TANK (5CAS592)
FUEL STORAGE SYSTEM

Reference Material

Fuel System Maintenance	A1-F18AC-460-300
Vent Tank Access Cover	WP009 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB - Vent Tank	WP033 00
Vent Tank Inspection and Folding	WP034 00
Vent Tank Cavity Bulkhead Fittings and Supports	WP044 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Line Maintenance Access Doors	A1-F18AC-LMM-010
Piping Installation Manual	A1-F18AC-PIM-000
Piping Removal and Installation	WP003 00

Alphabetical Index

Subject	Page No.
General	2
Installation	3
Materials Required	2
Support Equipment Required	2

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation	Nomenclature
74D460102-1001	Bulkhead Nuts Adapter Set
-	Torque Wrench, 0 to 120 Inch-Pounds
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/Installation Tool Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set

Materials Required

Specification or Part Number	Nomenclature
VV-P-236 (CAGE 81348)	Technical Petrolatum
MS20995NC32 (CAGE 96906)	Lockwire
M83248/1-214	Packing (4)
474 (CAGE 26066)	Tape, Pressure Sensitive
74K580005-1001 (CAGE 76301)	Preformed Packing Assortment

1. GENERAL.

NOTE

For complete parts list, see vent tank IPB (WP033 00). Packings and hardware are listed in tables on each page.

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

a. Do or observe fuel tank maintenance precautions (WP013 00).

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks can occur resulting in fire hazard.

NOTE

Nonprotruding bulkhead connectors have a retaining ring on one side only, opposite side has fixed flange.

a1. Inspect applicable nonprotruding bulkhead connectors and replace (WP044 00) missing or damaged retaining rings.

b. Apply tape to all protruding type fittings on the inside of the tank cavity.

c. Do vent tank inspection and folding (WP034 00) and install in cavity.

d. After positioning tank, remove protective tape from tank cavity.



Petrolatum, Technical, VV-P-236

1

e. Lubricate all new packings with petrolatum.

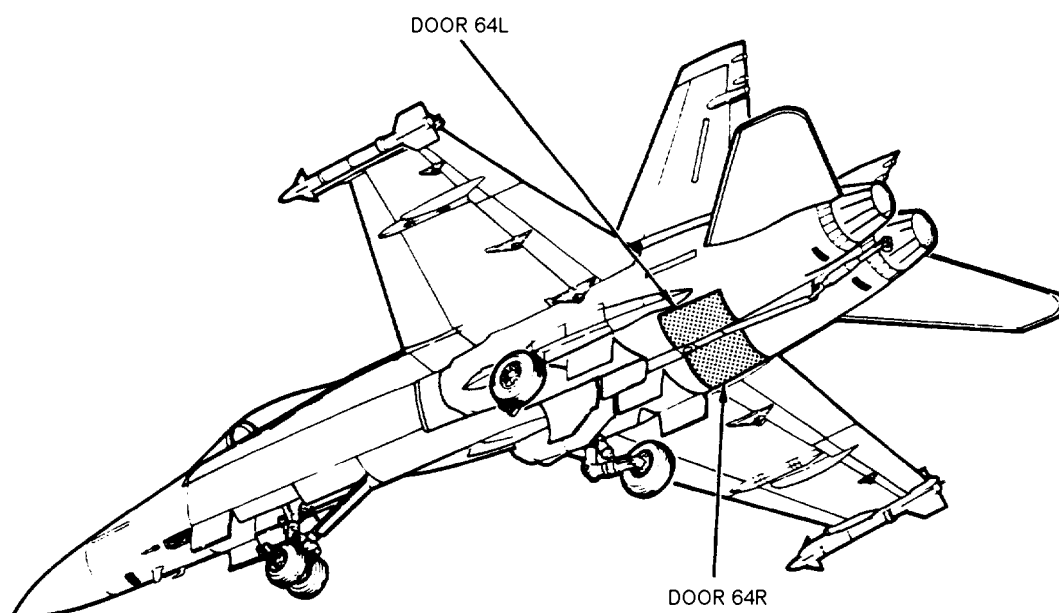
f. For alignment and spacing of tubes refer to A1-F18AC-PIM-000, WP003 00.

g. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)

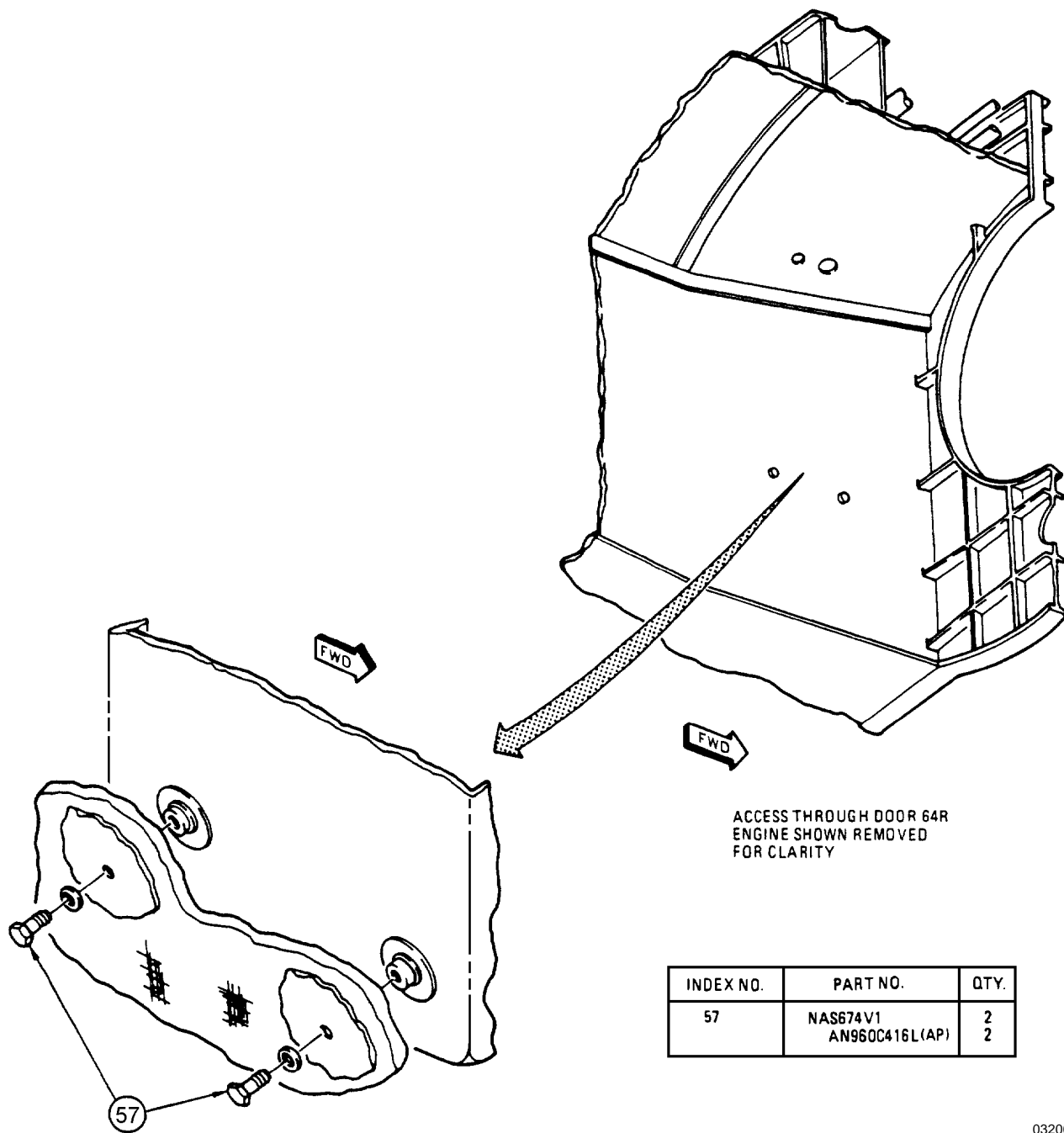
- (1) Specific torque callouts.
- (2) Items safeties with lockwire.
- (3) Foreign objects removed.
- (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
- (6) Fuel tank (bladder) condition.

2. INSTALLATION.

3. SEQUENCE 1.

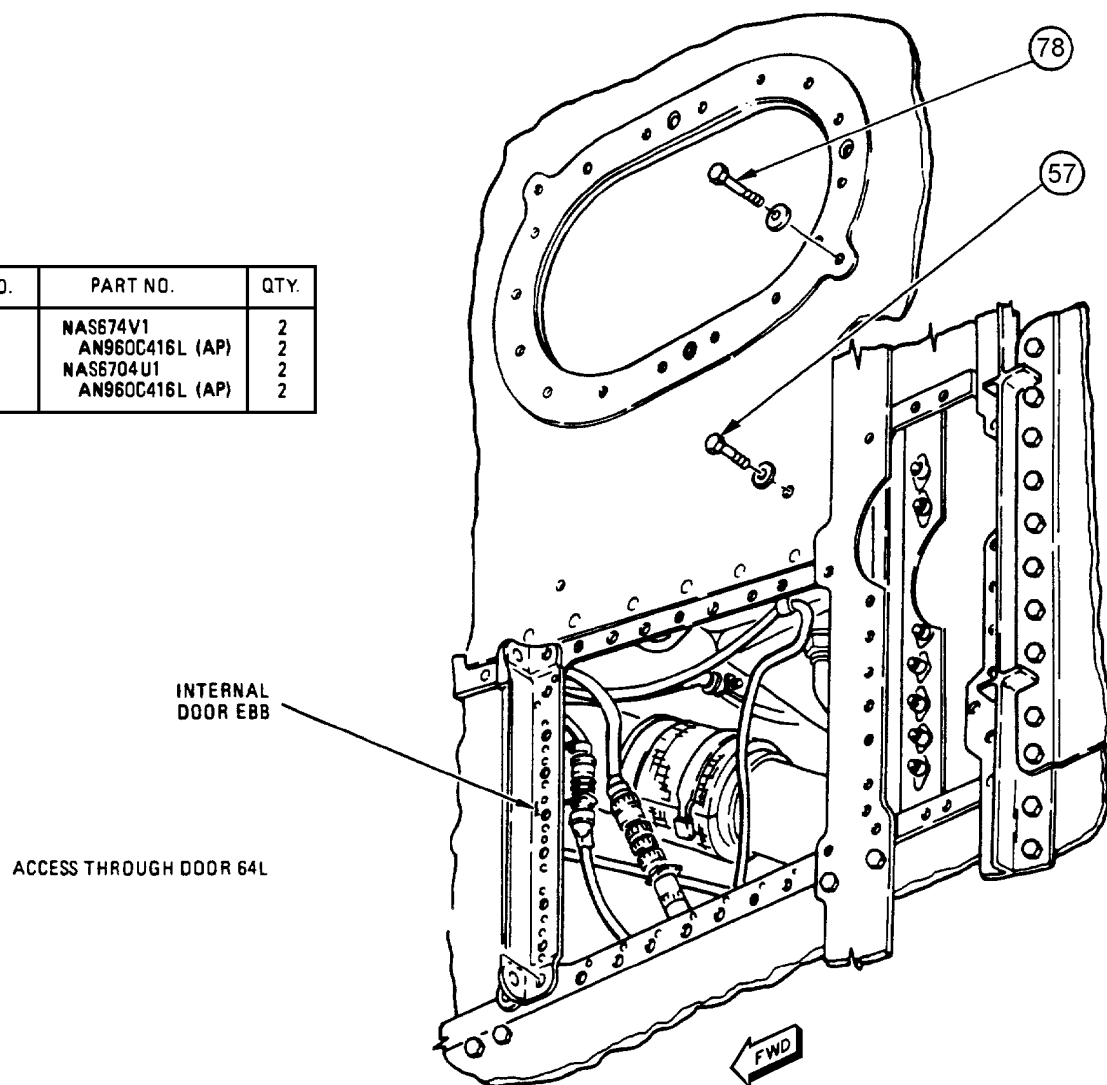


- a. Install bolts (57) and washers.



b. Install bolts (57 and 78) and washers.

INDEX NO.	PART NO.	QTY.
57	NAS674V1	2
	AN960C416L (AP)	2
78	NAS6704U1	2
	AN960C416L (AP)	2



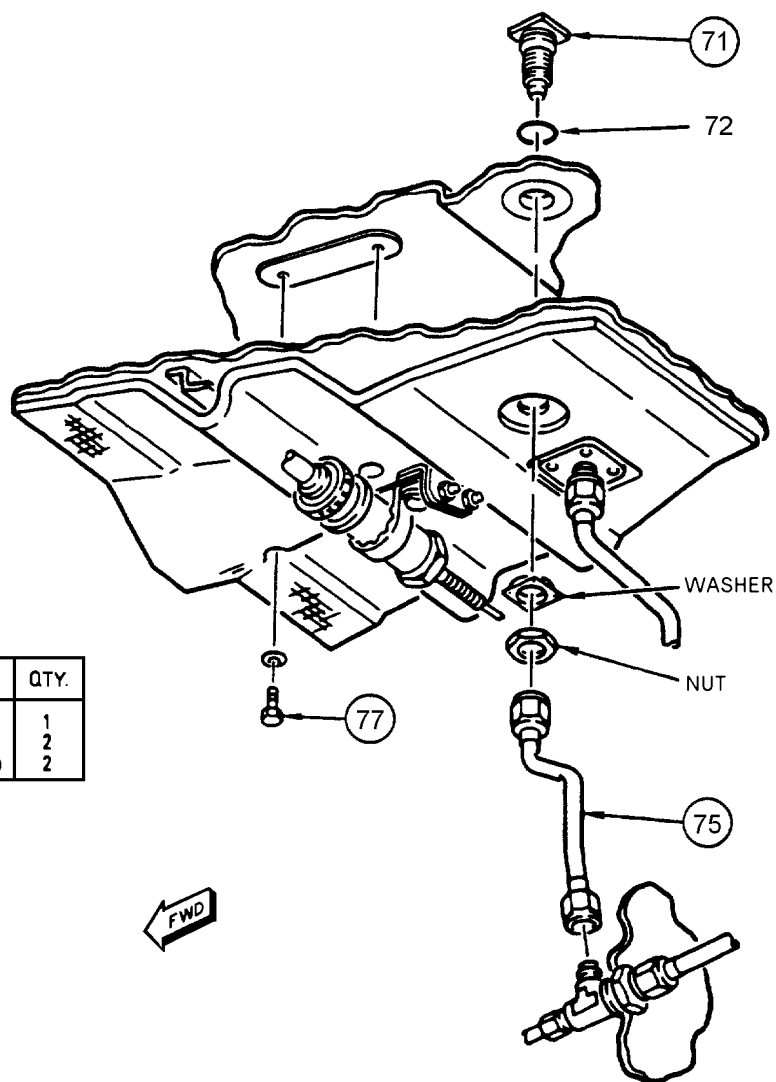
c. Install bolts (77) and washers.

e. Install tube (75).

d. Install packing (72), connector (71), washer and nut. Safety nut to washer with lockwire. (QA)

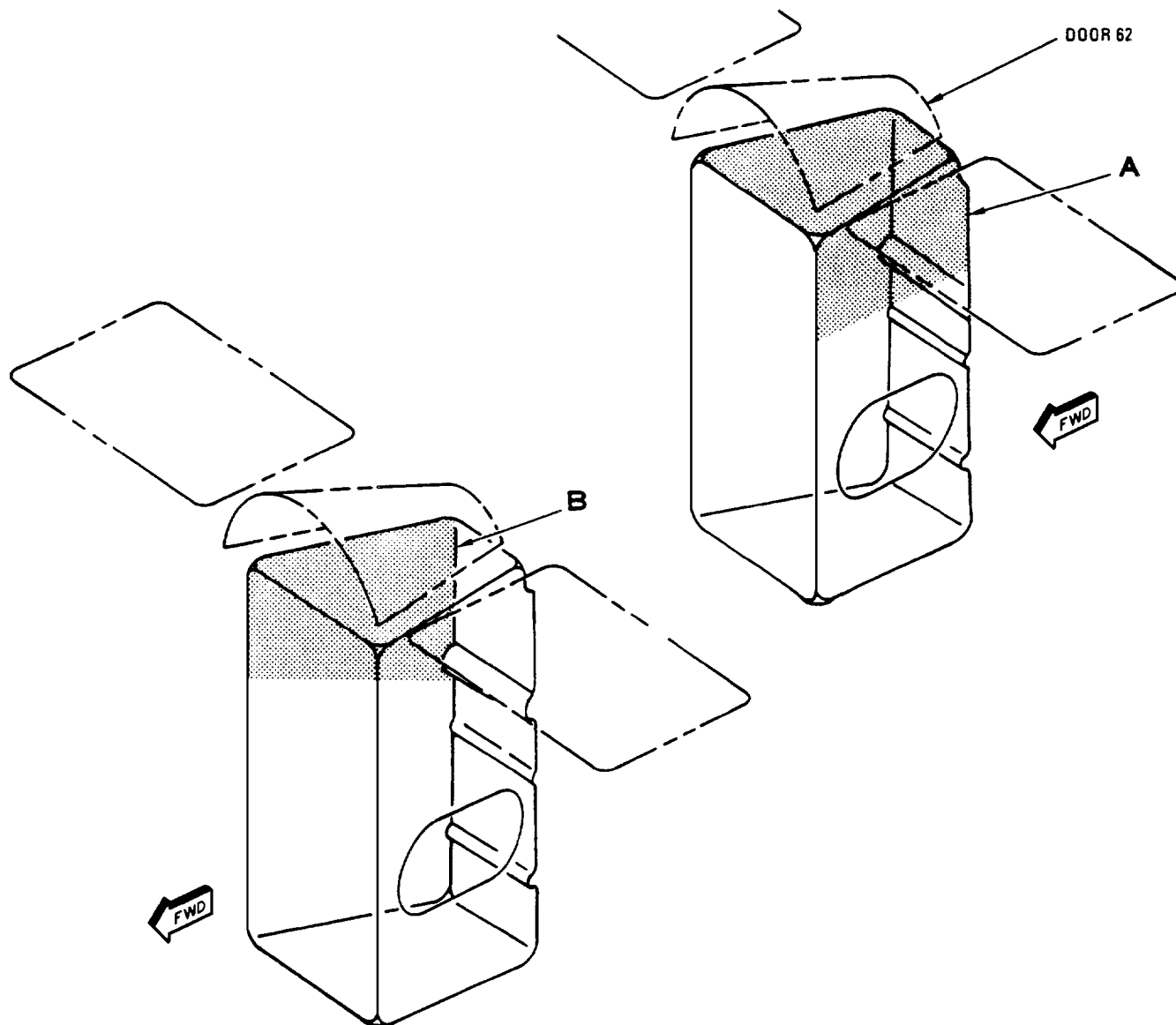
f. Install internal door EBB (A1-F18AC-LMM-010).

INDEX NO.	PART NO.	QTY.
72	MS29513-210	1
77	NAS1351C4-8	2
	AN960JD416L (AP)	2



ACCESS THROUGH INTERNAL DOOR EBB

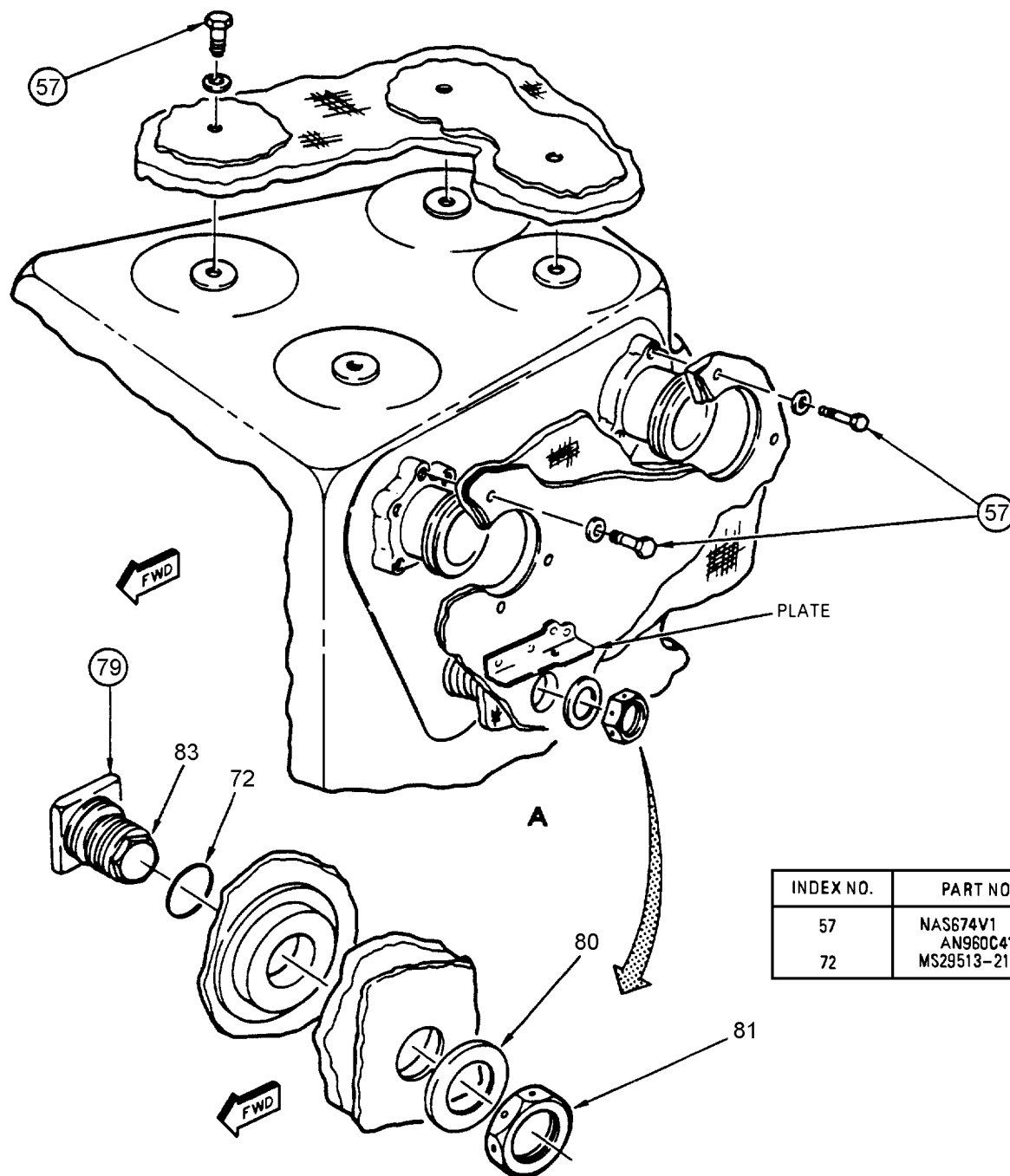
4. SEQUENCE 2.



a. Prepare tank mating surfaces of holder (79), bolts (57) and washers for electrical bond (A1-F18AC-LMM-000).

b. Install bolts (57) and washers.

c. Install packing (72), holder (79), washer (80) and nut (81). Verify running and final torque on nut (81) (WP013 00). Safety plug (83) to nut (81), and nut (81) to plate with lockwire. (QA)

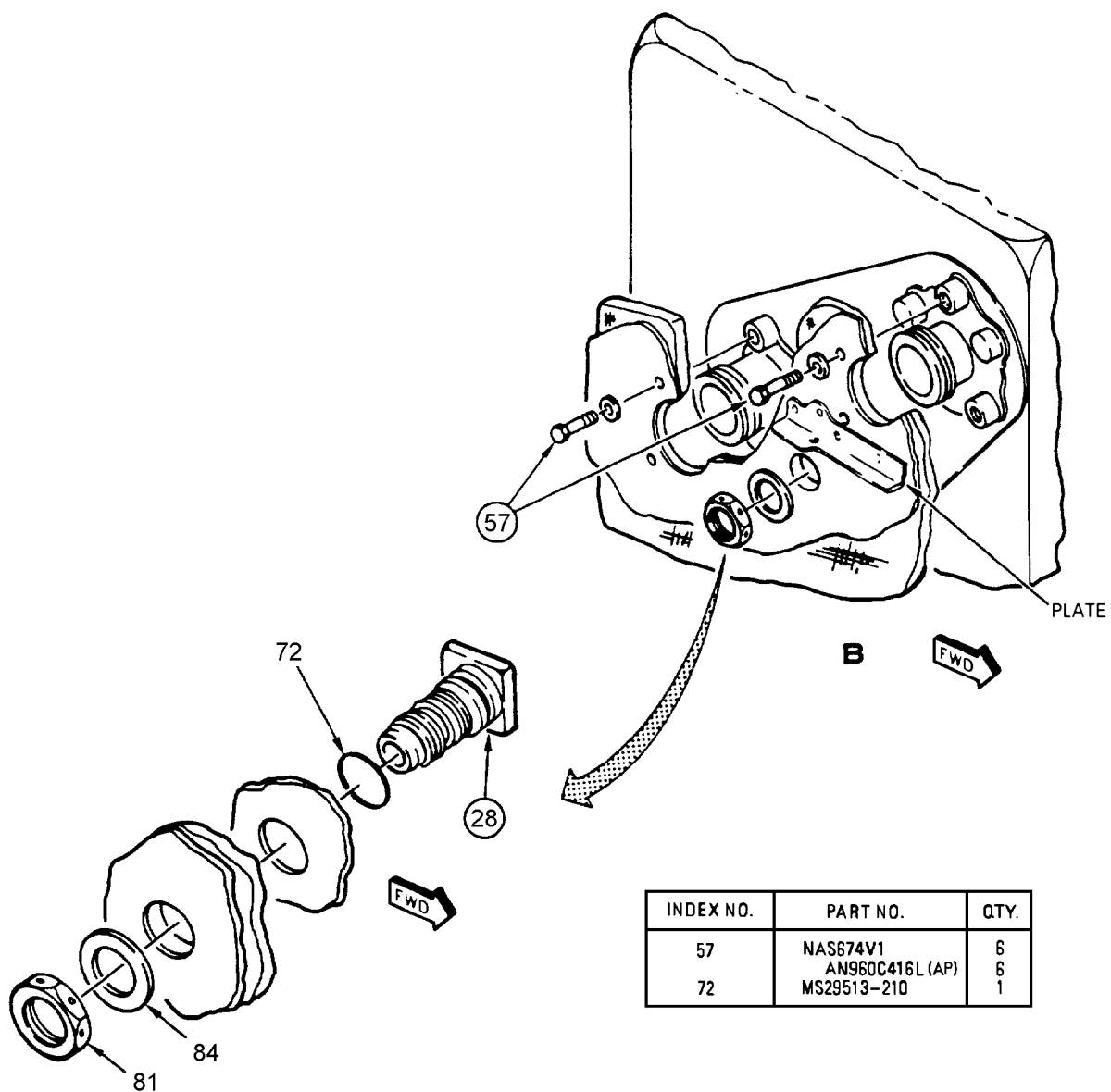


INDEX NO.	PART NO.	QTY.
57	NAS674V1	10
	AN960C416L (AP)	10
72	MS29513-210	1

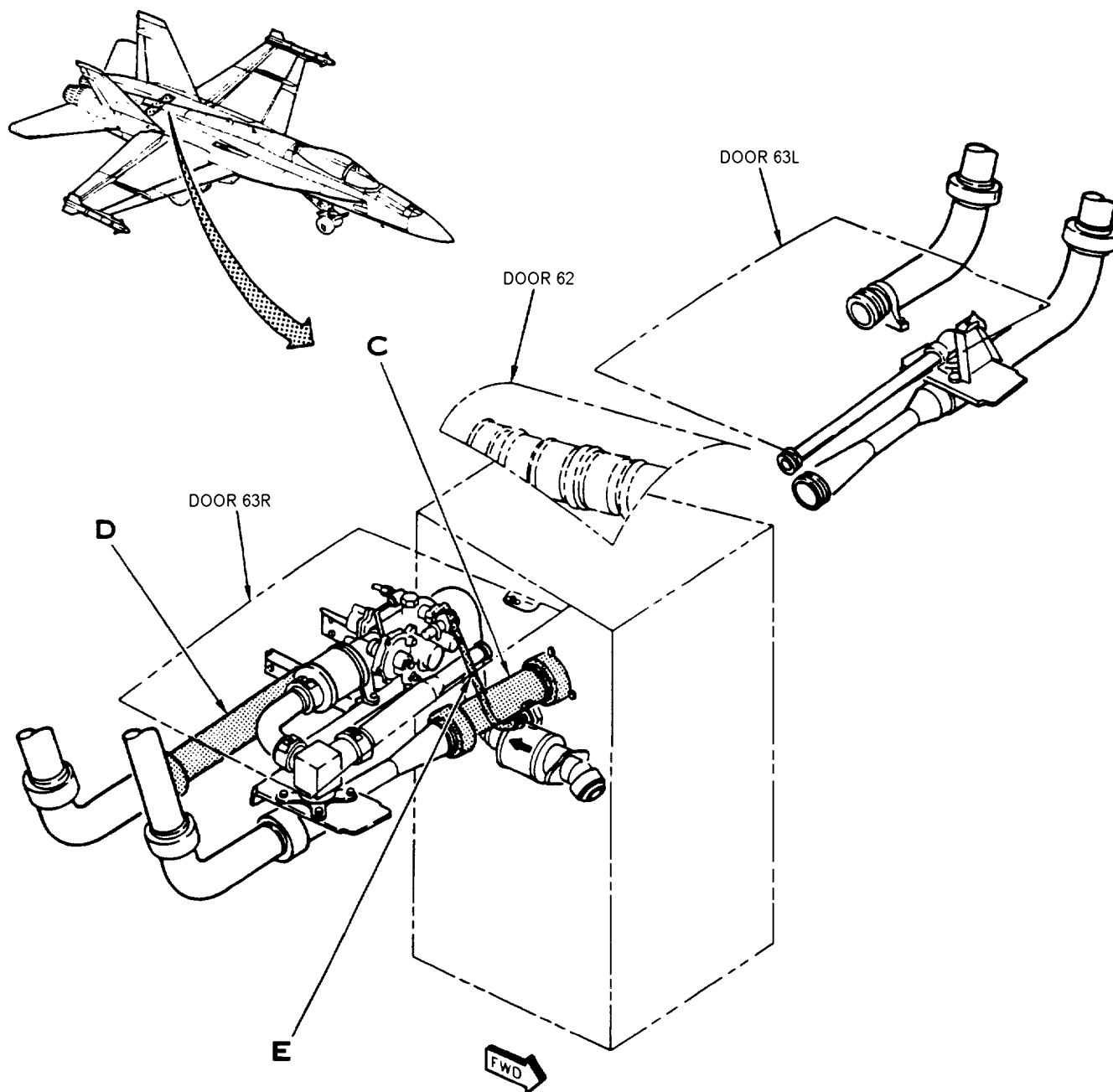
d. Prepare tank mating surfaces of connector (28), bolts (57) and washers for electrical bond (A1-F18AC-LMM-000).

e. Install bolts (57) and washers.

f. Install packing (72), connector (28), washer (84) and nut (81). Verify running and final torque on nut (81) (WP013 00). Safety nut (81) to plate with lock-wire. (QA)

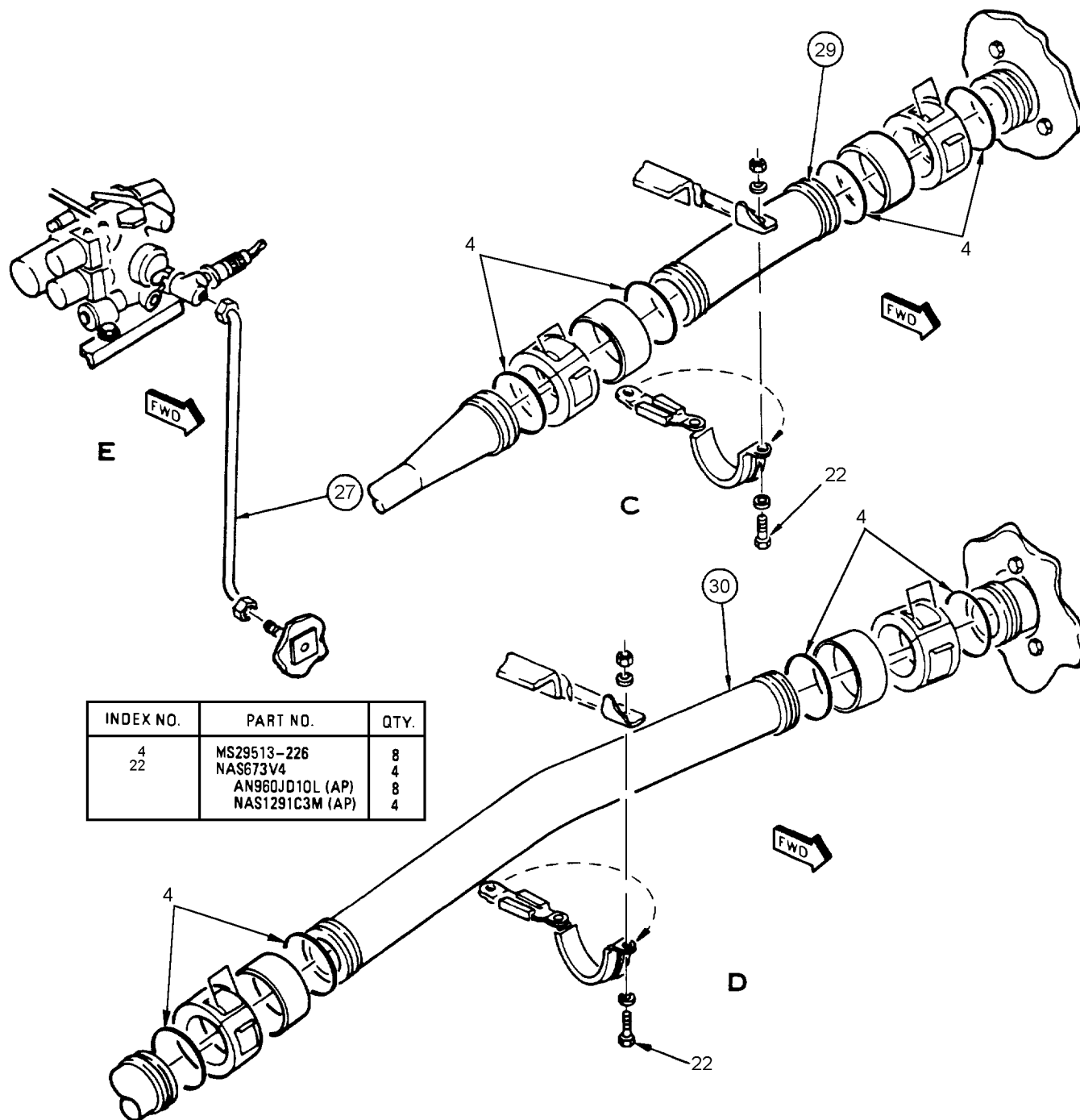


5. SEQUENCE 3.

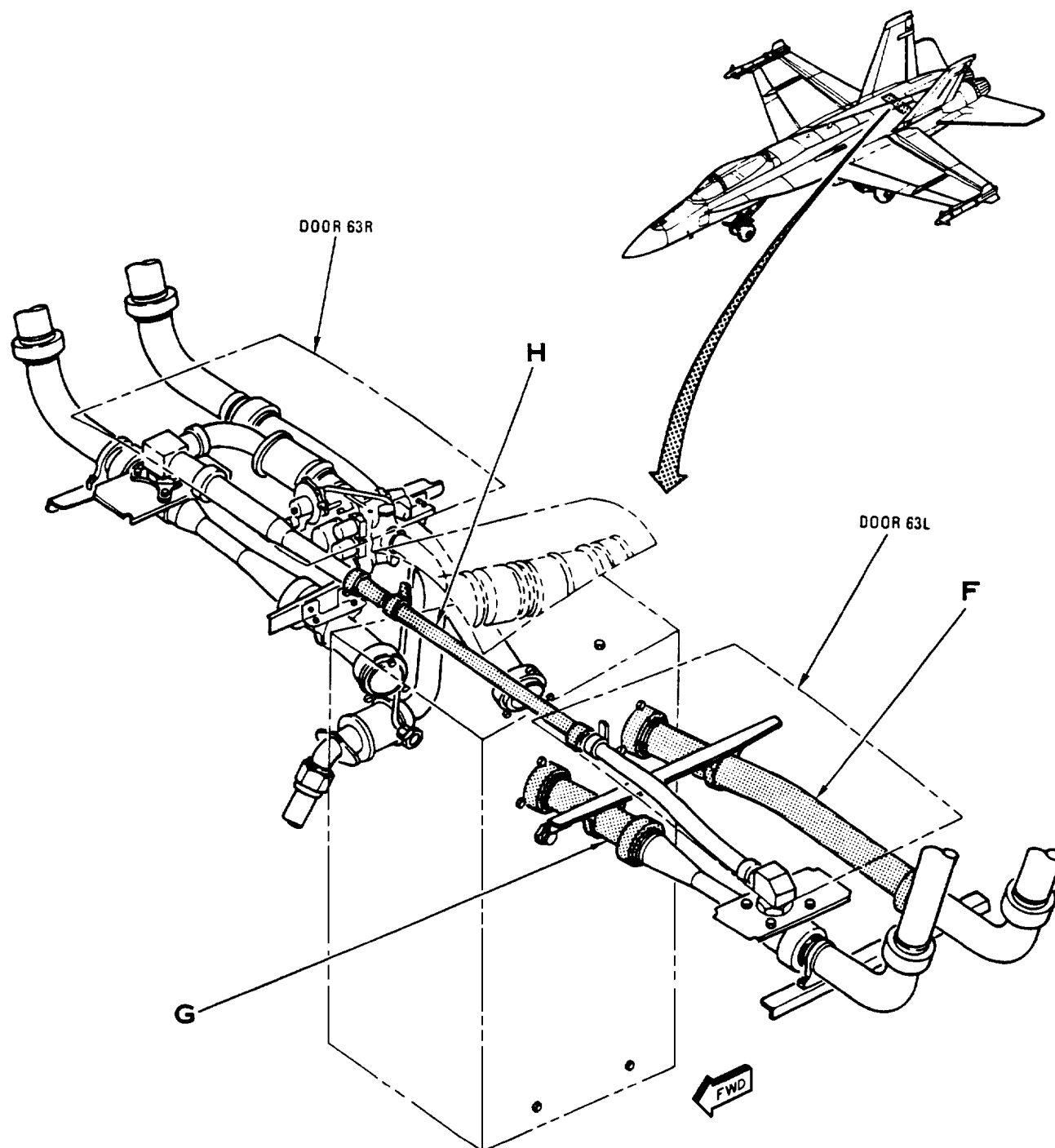


a. Install packings (4), tubes (29 and 30) and related parts.

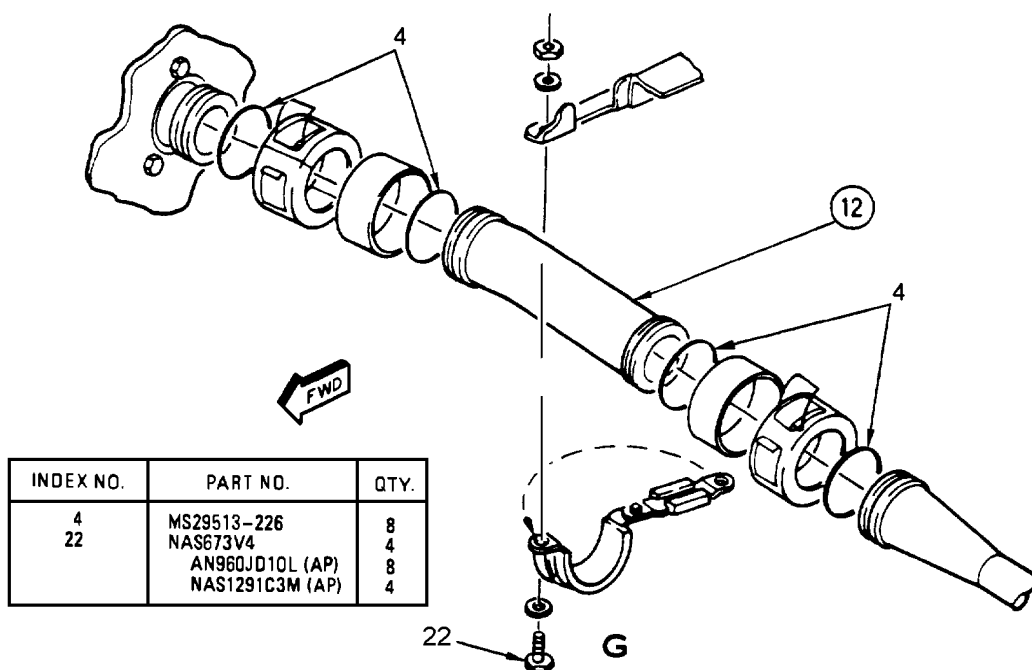
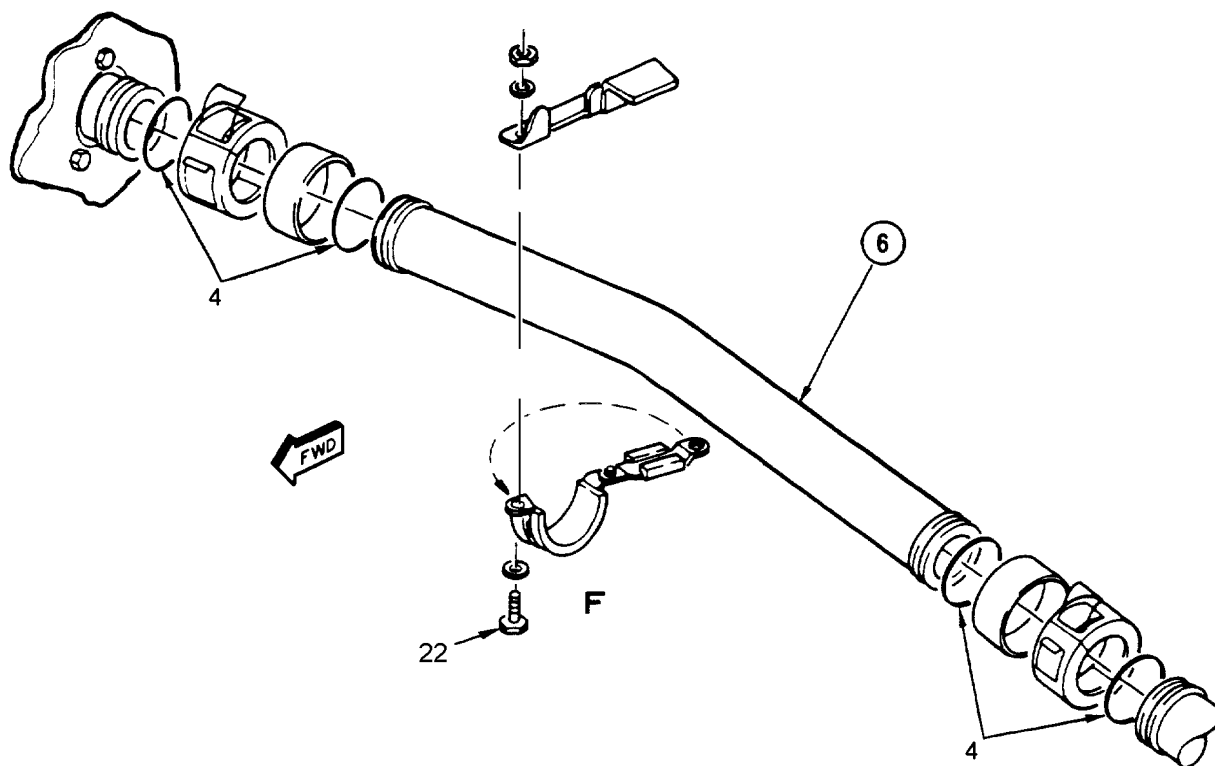
b. Install tube (27).



6. SEQUENCE 4.

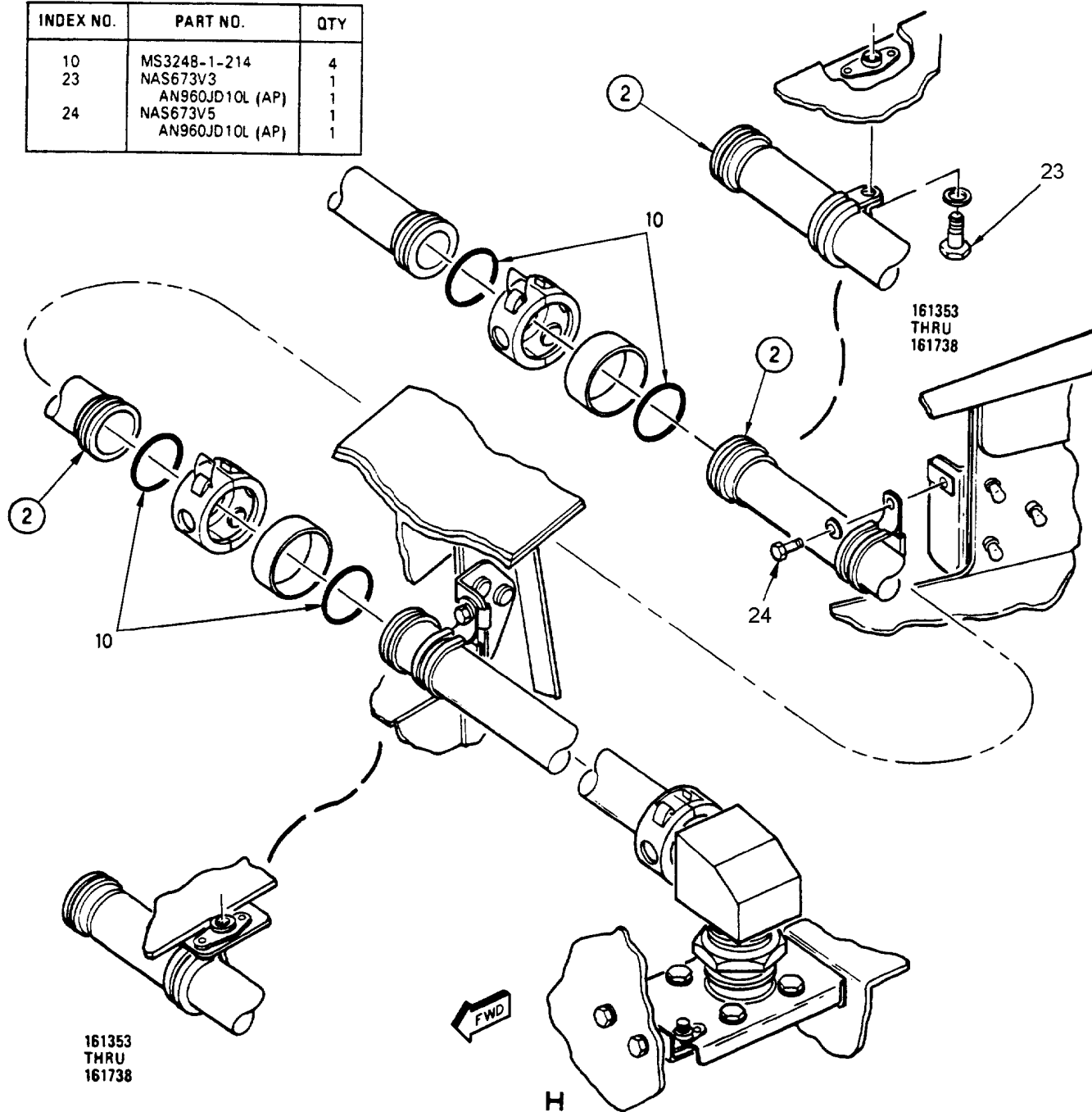


- a. Install packings (4), tubes (6 and 12) and related parts.

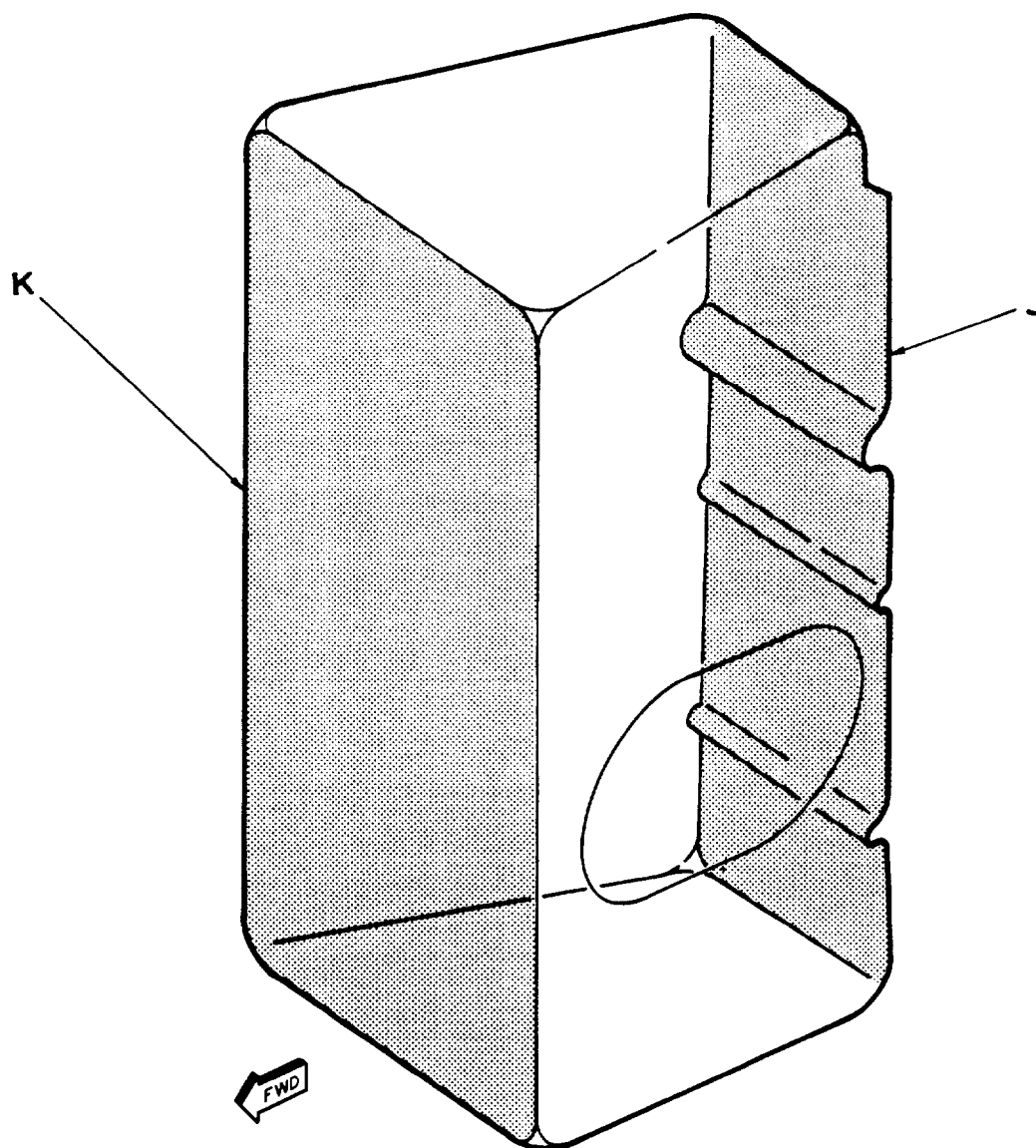


b. Install packings (10), tube (2) and related parts.

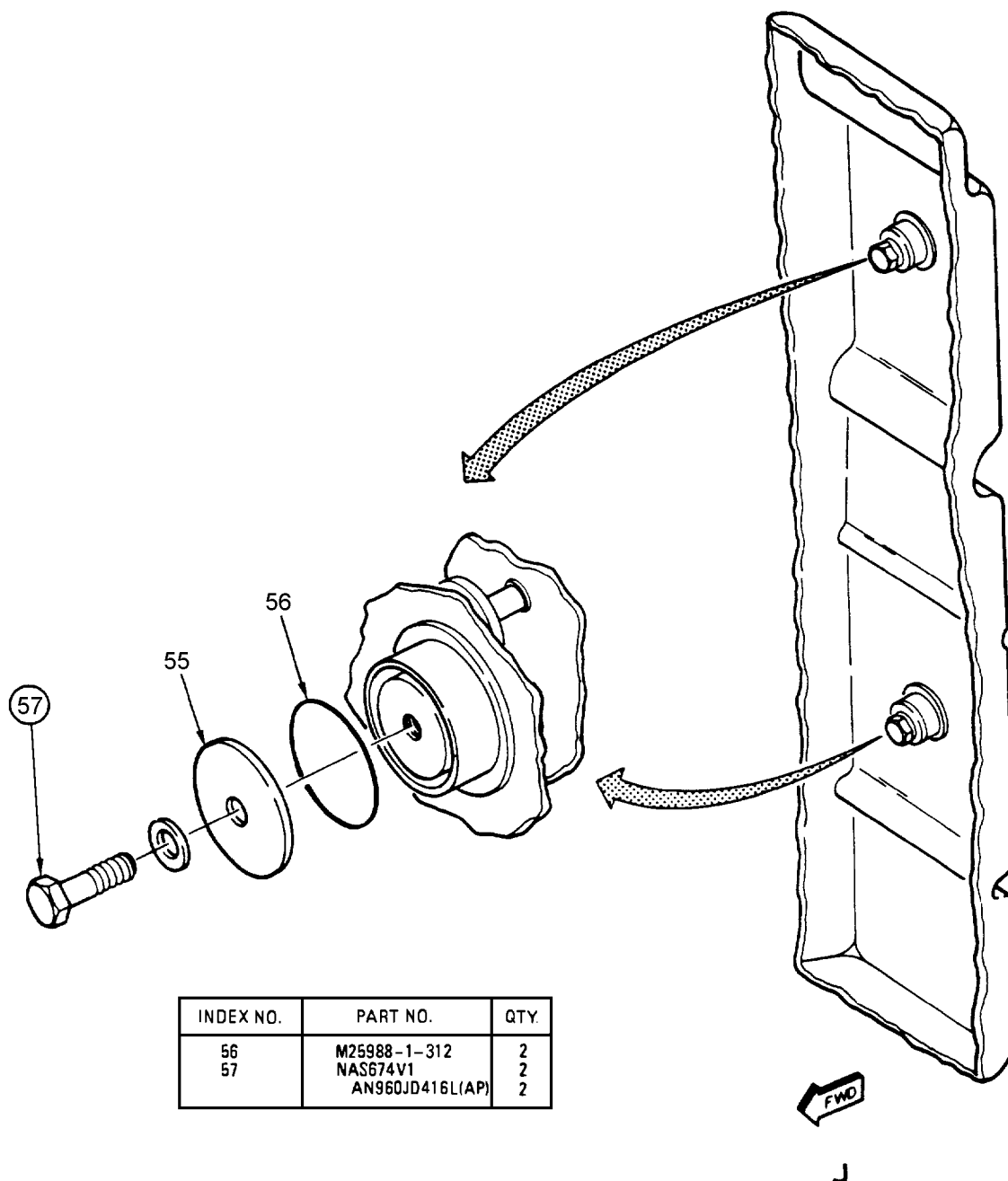
INDEX NO.	PART NO.	QTY
10	MS3248-1-214	4
23	NAS673V3	1
	AN960JD10L (AP)	1
24	NAS673V5	1
	AN960JD10L (AP)	1



7. SEQUENCE 5.

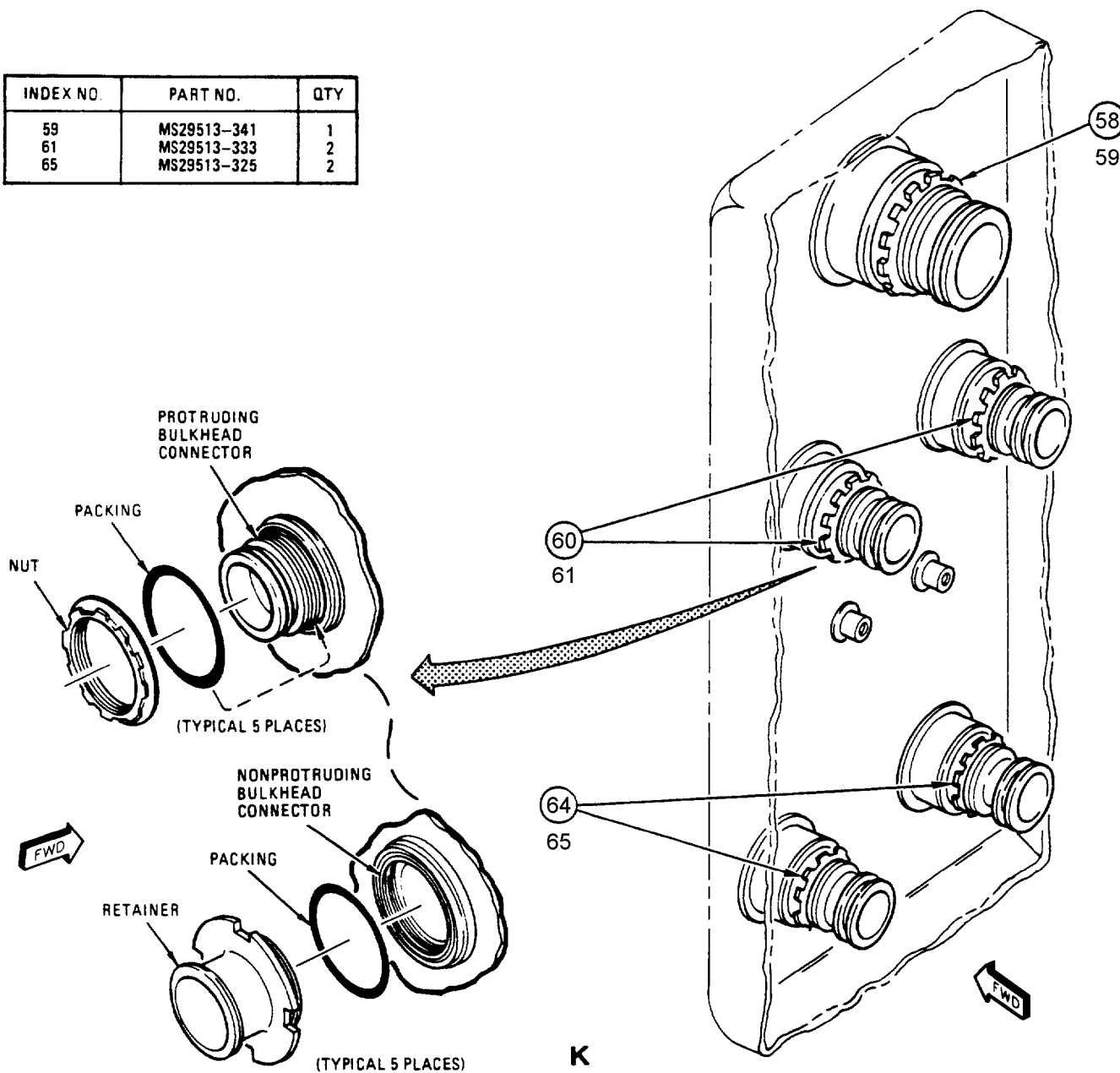


- a. Install packings (56), bolts (57), washers, and retainer (55). Seal bolt (57) threads per WP013 00.

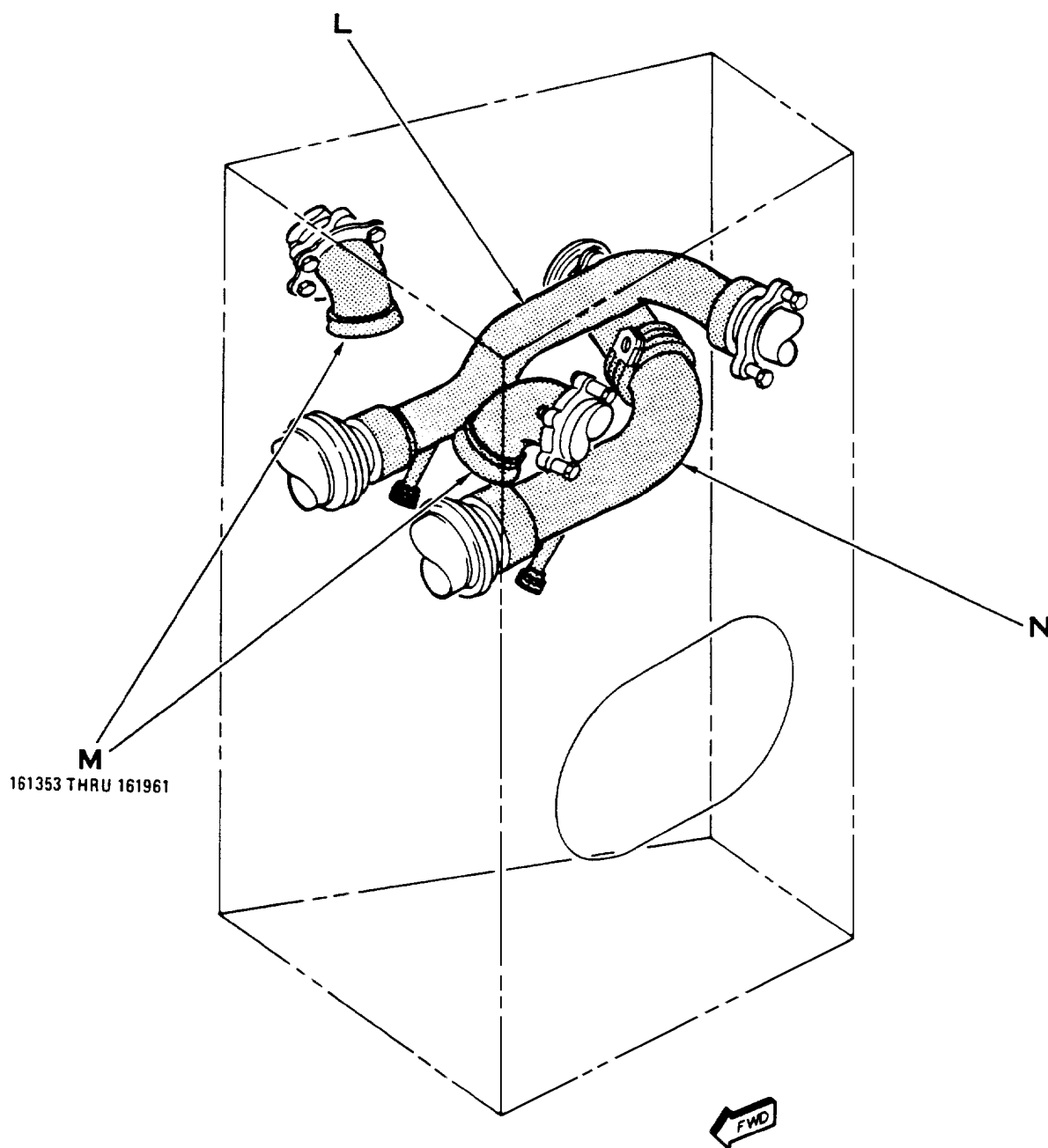


b. Install packings (59, 61 and 65) and nuts or retainers (58, 60 and 64). Verify running torque and final torque (WP013 00). (QA)

INDEX NO.	PART NO.	QTY
59	MS29513-341	1
61	MS29513-333	2
65	MS29513-325	2



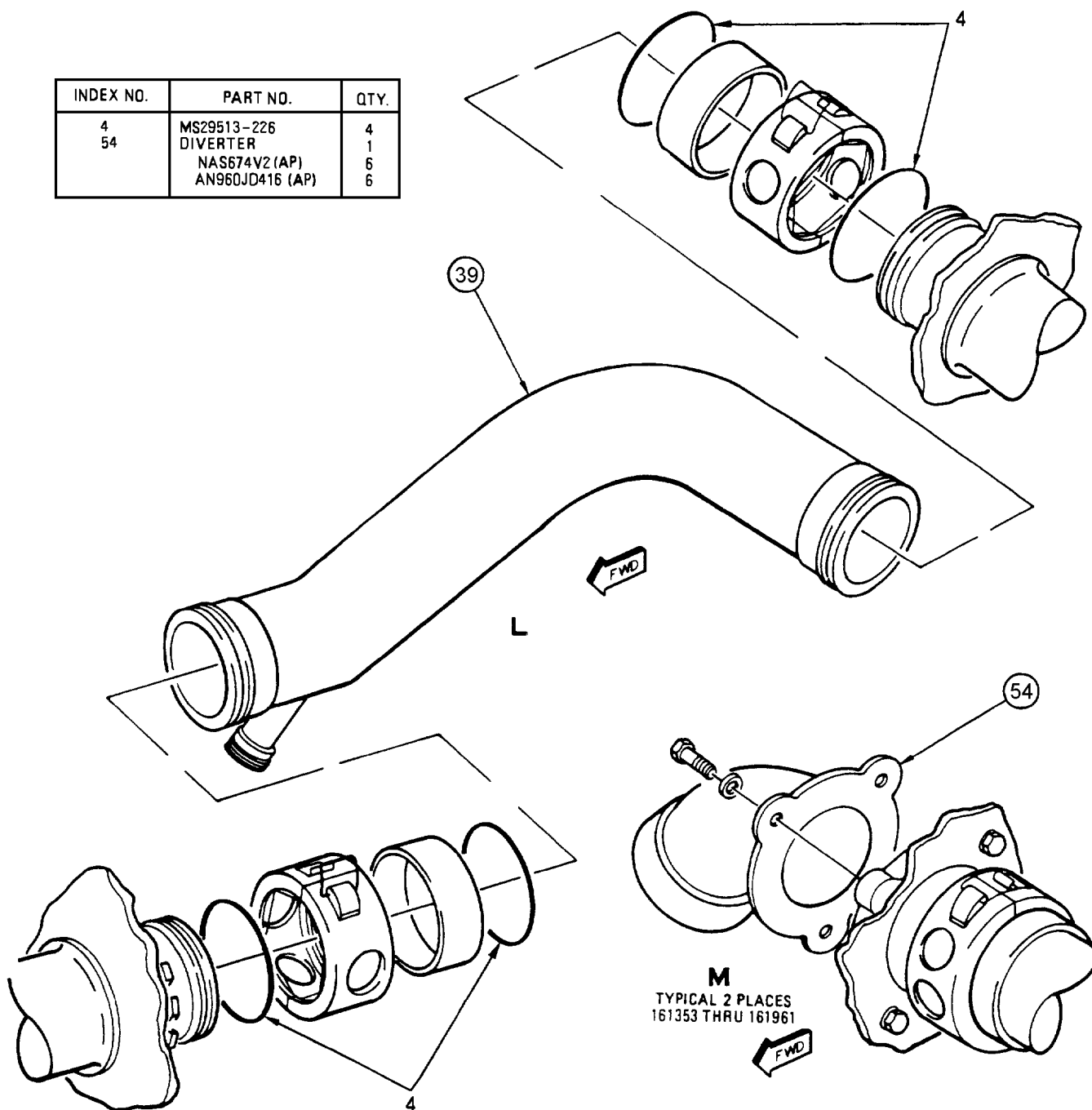
8. SEQUENCE 6.



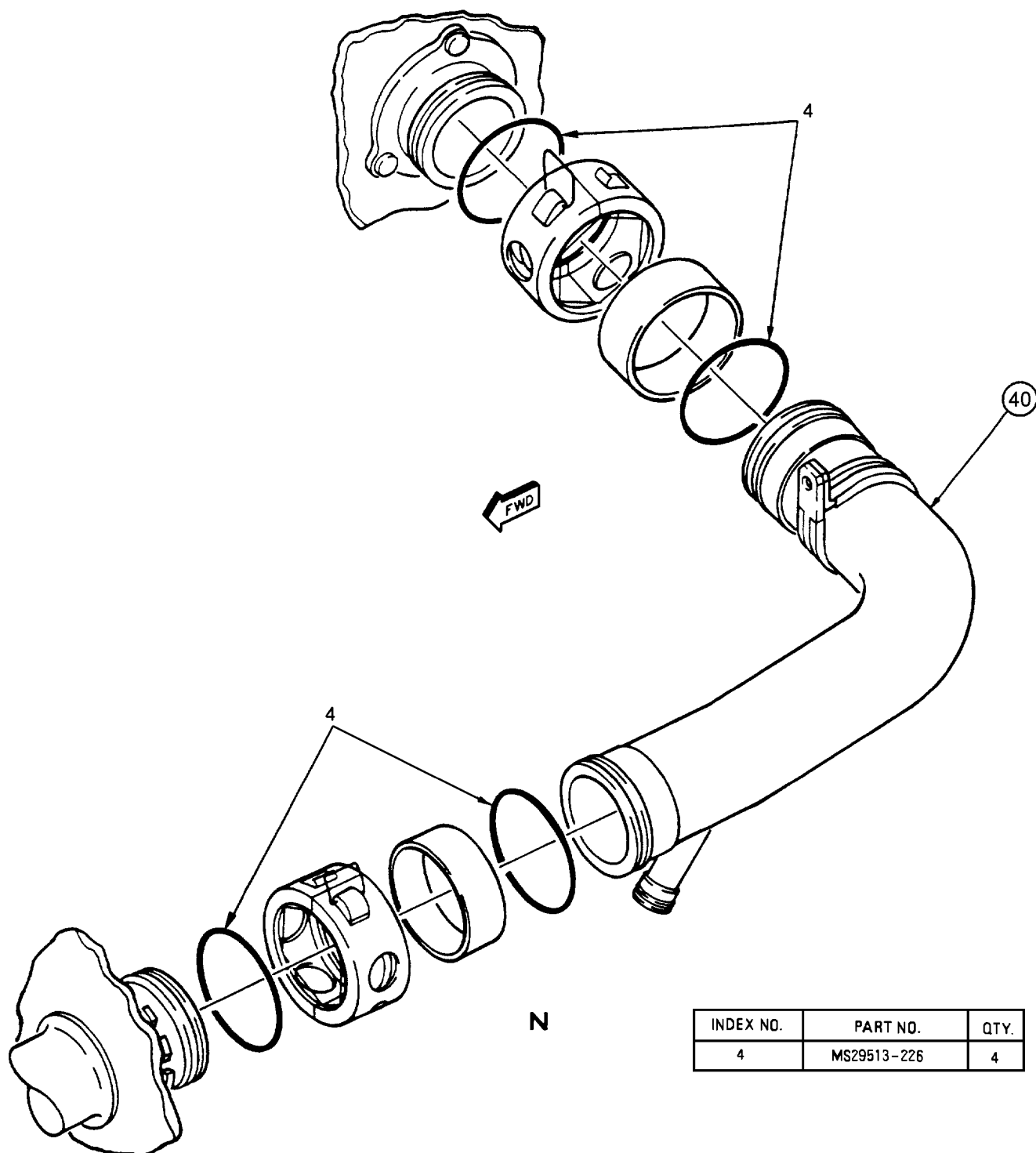
a. On 161353 THRU 161961, install diverters (54).

b. Install packings (4) and manifold (39).

INDEX NO.	PART NO.	QTY.
4	MS29513-226	4
54	DIVERTER	1
	NAS674V2 (AP)	6
	AN960JD416 (AP)	6

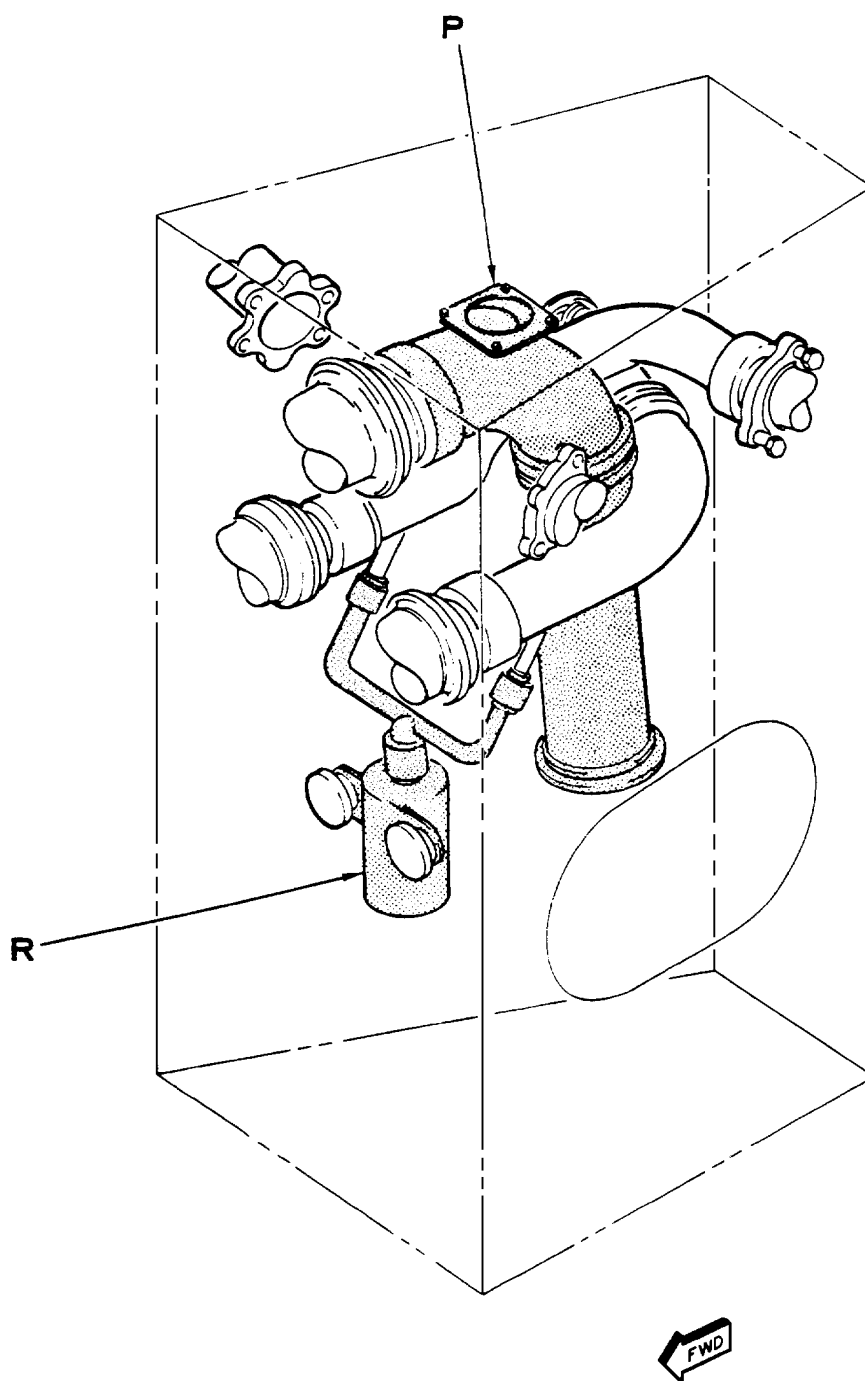


c. Install packings (4) and manifold (40).

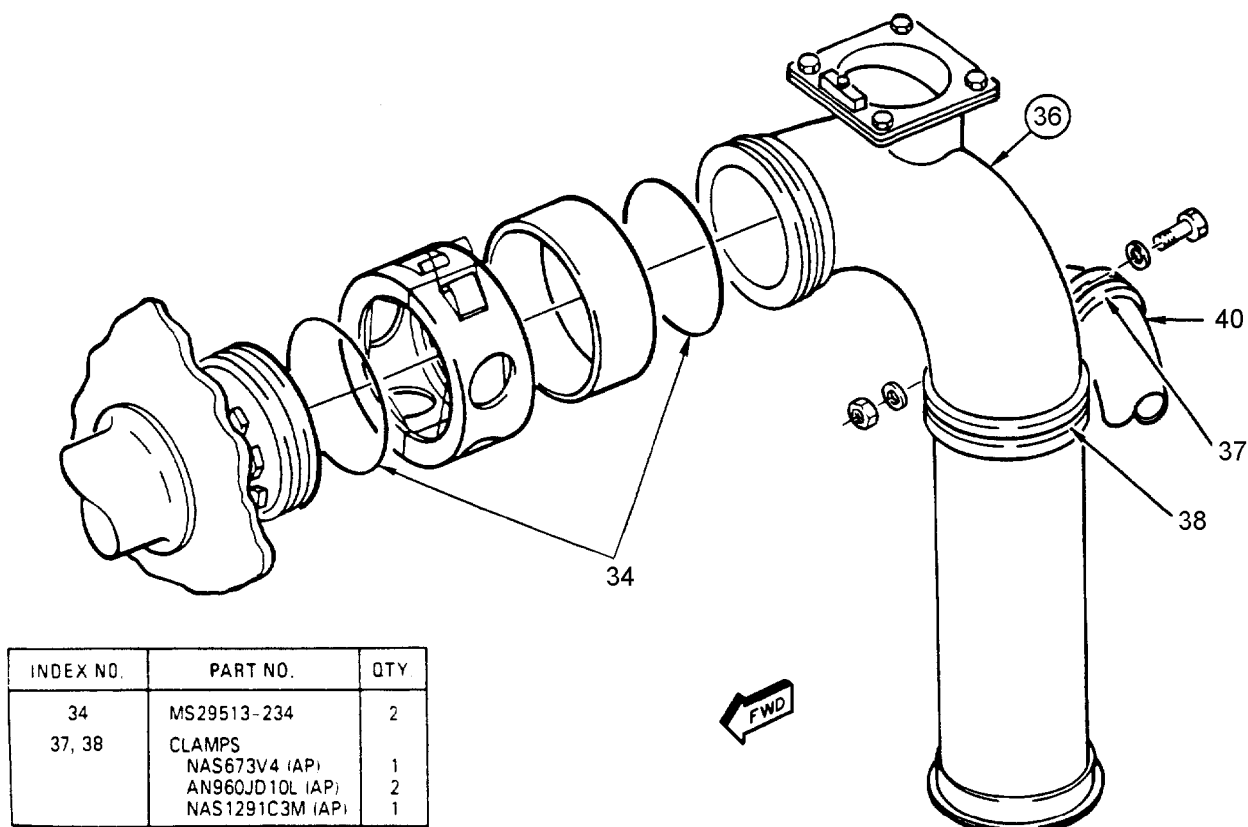


INDEX NO.	PART NO.	QTY.
4	MS29513-226	4

9. SEQUENCE 7.



- a. Install packings (34), tube (36), clamps (37 and 38) and related parts.

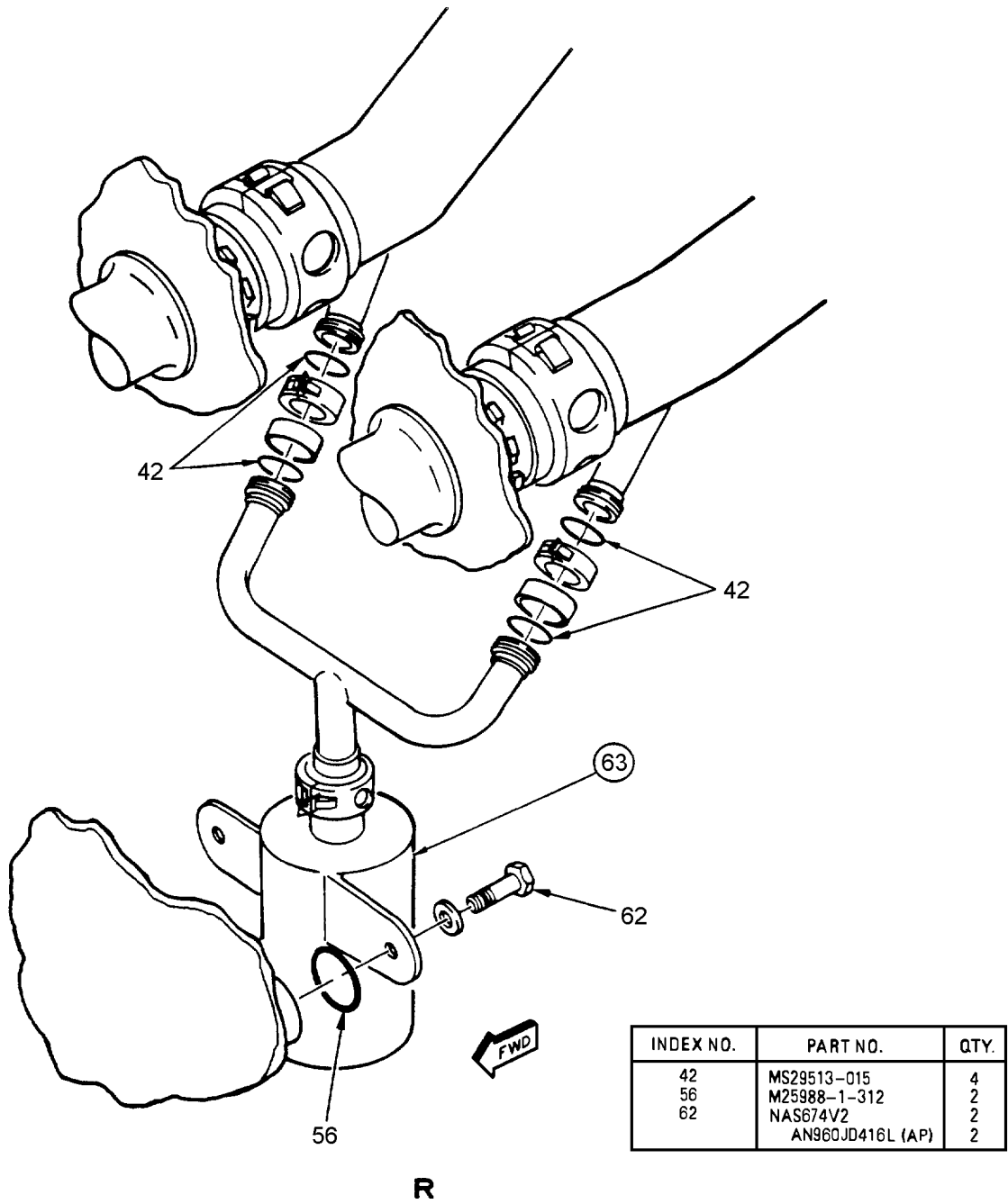


INDEX NO.	PART NO.	QTY
34	MS29513-234	2
37, 38	CLAMPS	
	NAS673V4 (AP)	1
	AN960JD10L (AP)	2
	NAS1291C3M (AP)	1

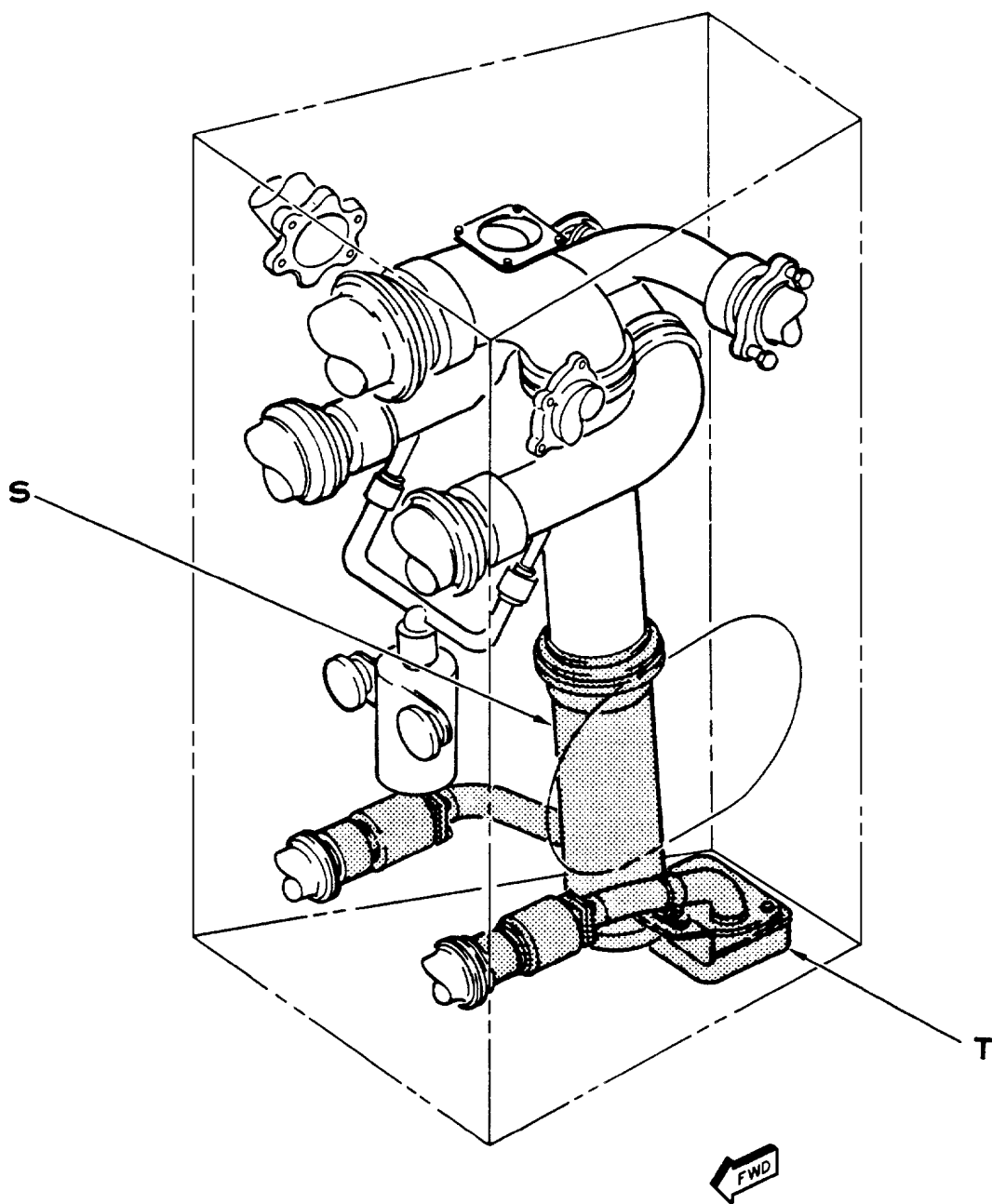
P

b. Prepare mating surfaces of valve (63) and structure for electrical bond (A1-F18AC-LMM-000).

c. Install packings (42 and 56), valve (63) and related parts. Seal bolt (62) threads per WP013 00.

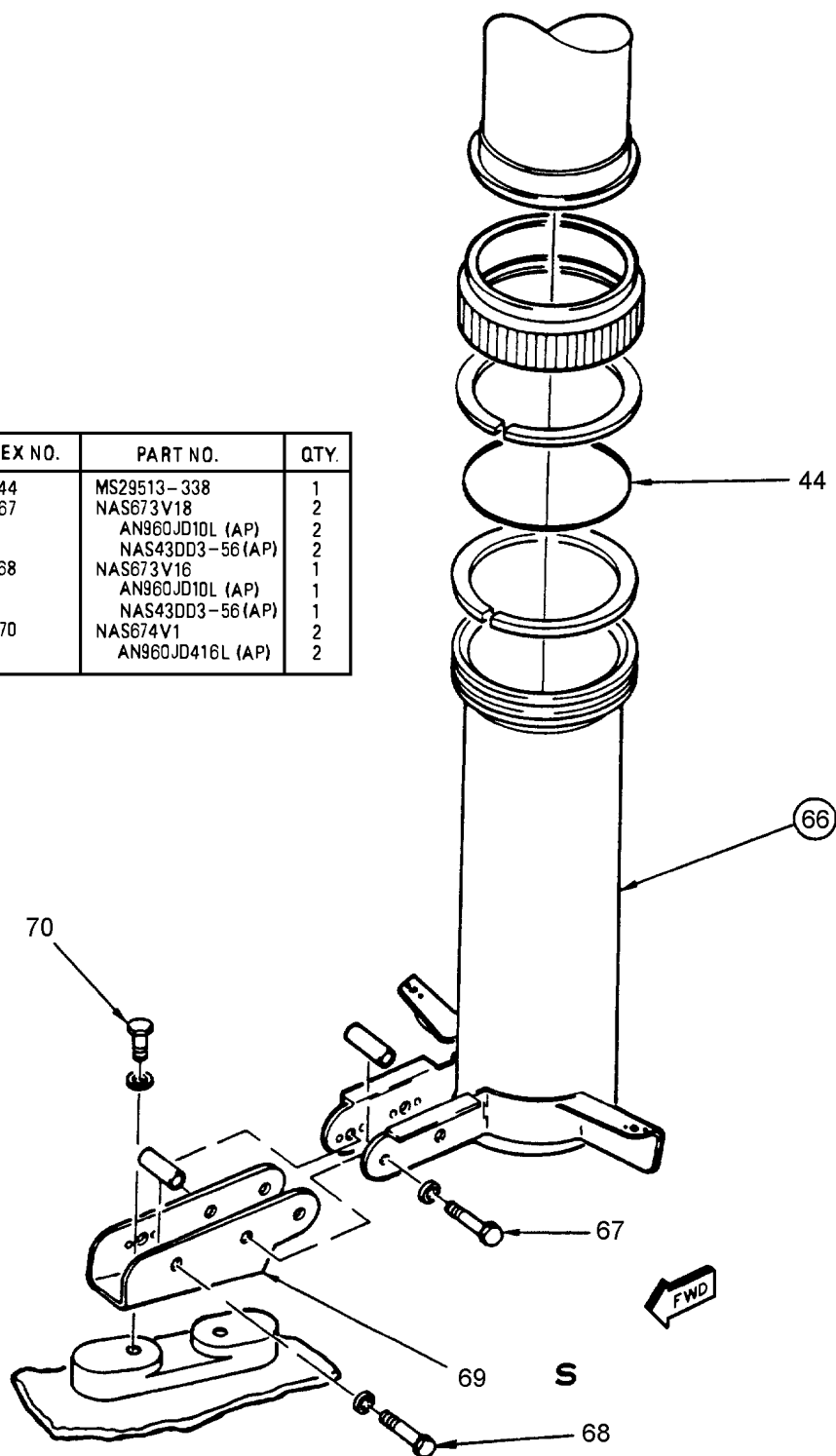


10. SEQUENCE 8.



a. Install packing (44), tube (66), bracket (69) and related parts.

INDEX NO.	PART NO.	QTY.
44	MS29513-338	1
67	NAS673V18	2
	AN960JD10L (AP)	2
	NAS43DD3-56 (AP)	2
68	NAS673V16	1
	AN960JD10L (AP)	1
	NAS43DD3-56 (AP)	1
70	NAS674V1	2
	AN960JD416L (AP)	2



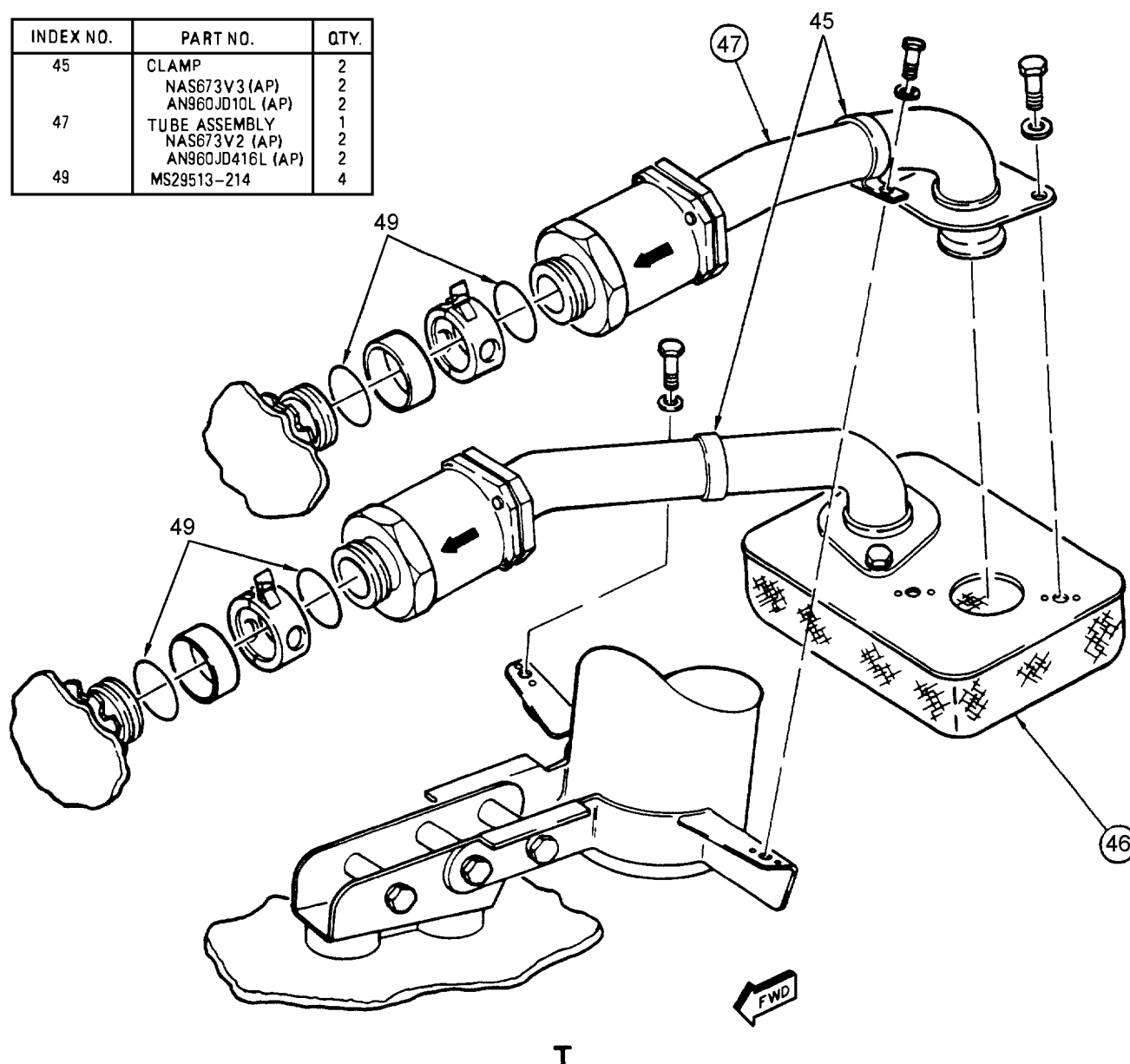
b. Prepare mating surfaces of strainer (46) and tube (47) for electrical bond (A1-F18AC-LMM-000).

d. Install strainer (46) and related parts.

c. Install packings (49).

e. Install tube (47) and related parts.

INDEX NO.	PART NO.	QTY.
45	CLAMP	2
	NAS673V3 (AP)	2
	AN960JD10L (AP)	2
47	TUBE ASSEMBLY	1
	NAS673V2 (AP)	2
	AN960JD416L (AP)	2
49	MS29513-214	4



11. SEQUENCE 9.

- a. Close doors 64L and 64R and install doors 62 and 63L/R (A1-F18AC-LMM-010).
- b. Install access cover (WP009 00).
- c. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

IPB - VENT TANK (5CAS592)

FUEL STORAGE SYSTEM

Record of Applicable Technical Directives

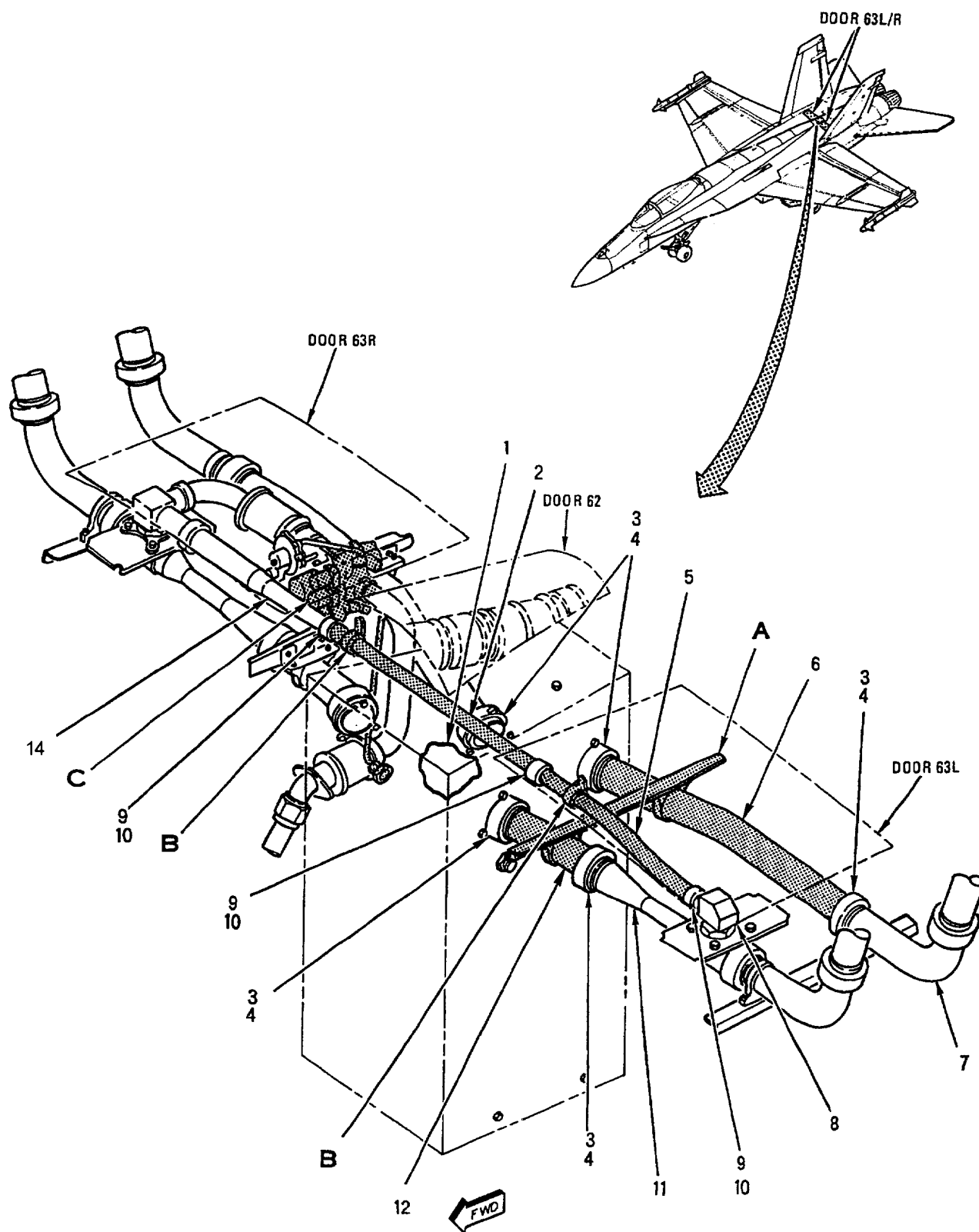
None

1. ILLUSTRATED PARTS BREAKDOWN.

2. Removal procedure for Vent Tank is in WP031
00. Index numbers in this WP match those in WP031
00.

3. Installation procedure for Vent Tank is in WP032
00. Index numbers in this WP match those in WP032
00.

4. This illustrated parts breakdown has data required
for identifying and ordering parts. The manual
introduction has more information on IPB data.



03300101

Figure 1. Vent Tank (5CAS592) (Sheet 1)

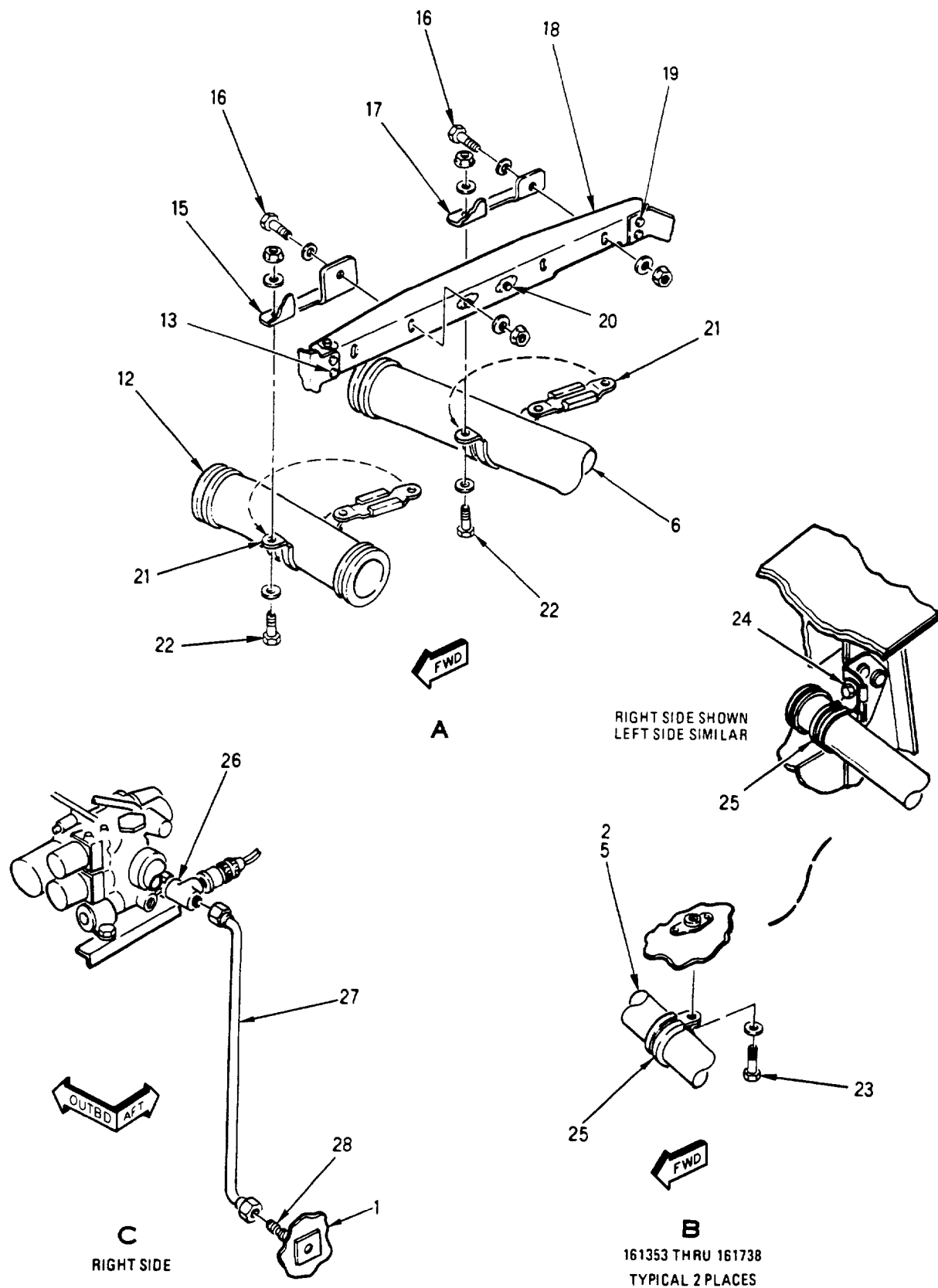
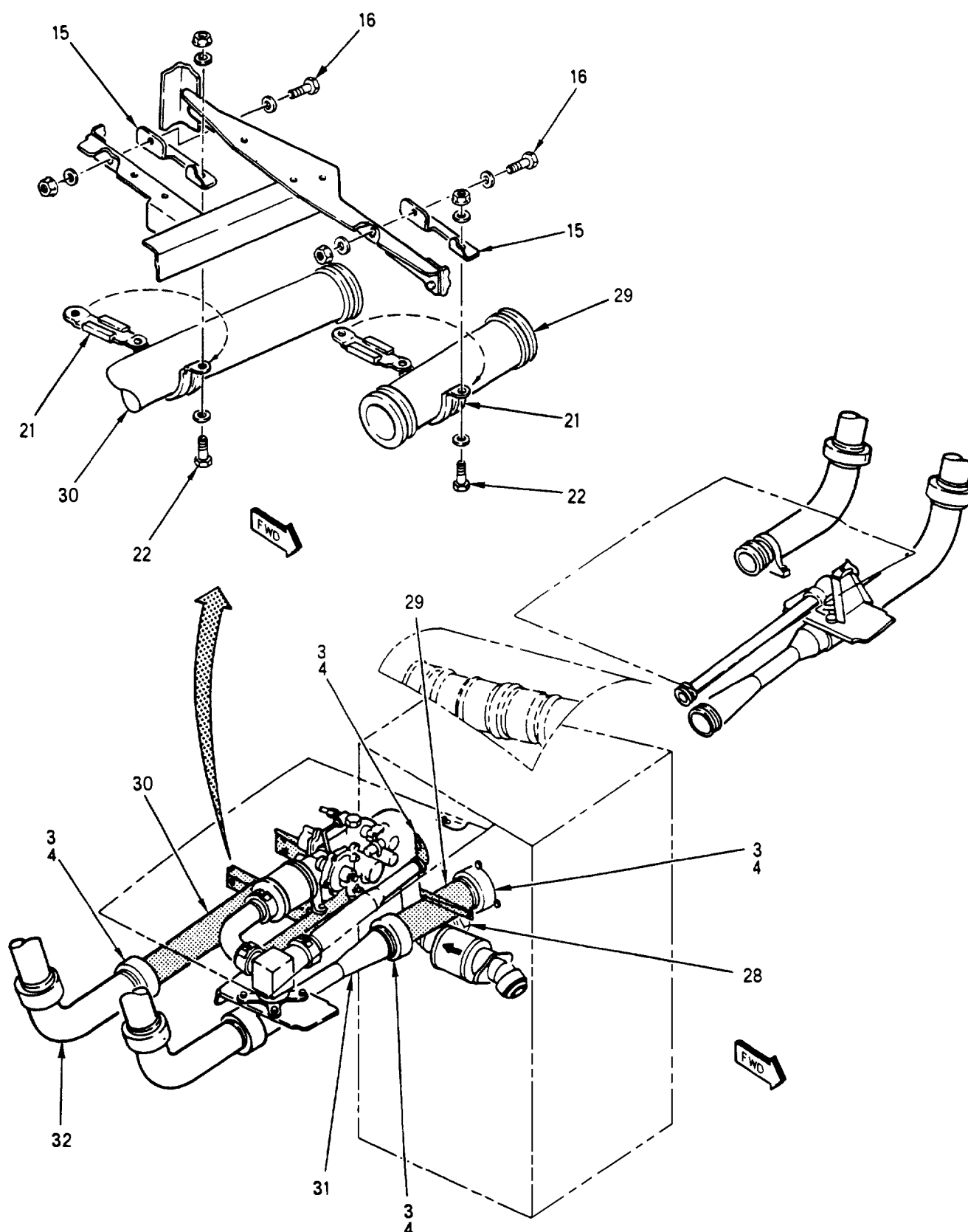


Figure 1. Vent Tank (5CAS592) (Sheet 2)



03300103

Figure 1. Vent Tank (5CAS592) (Sheet 3)

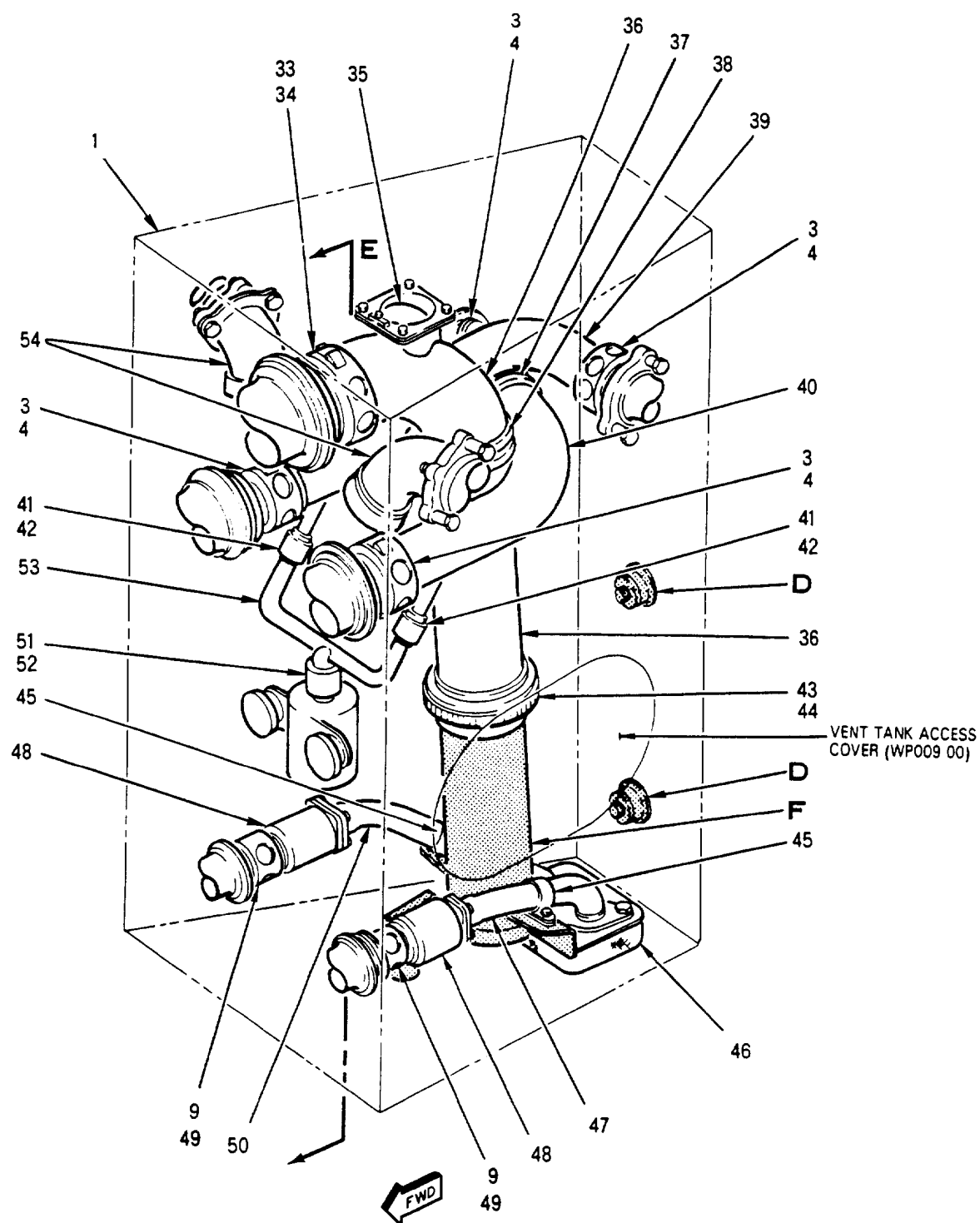


Figure 1. Vent Tank (5CAS592) (Sheet 4)

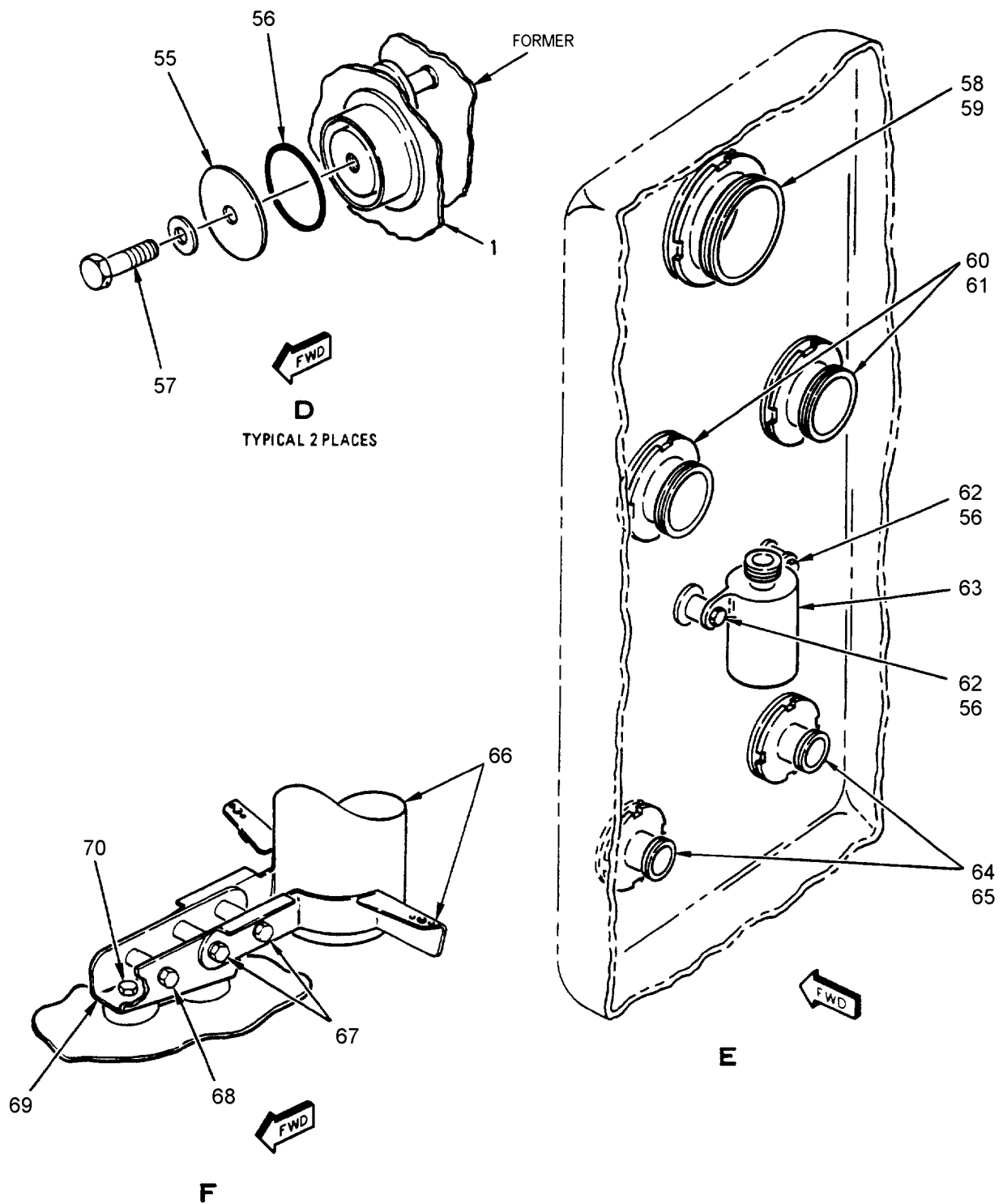


Figure 1. Vent Tank (5CAS592) (Sheet 5)

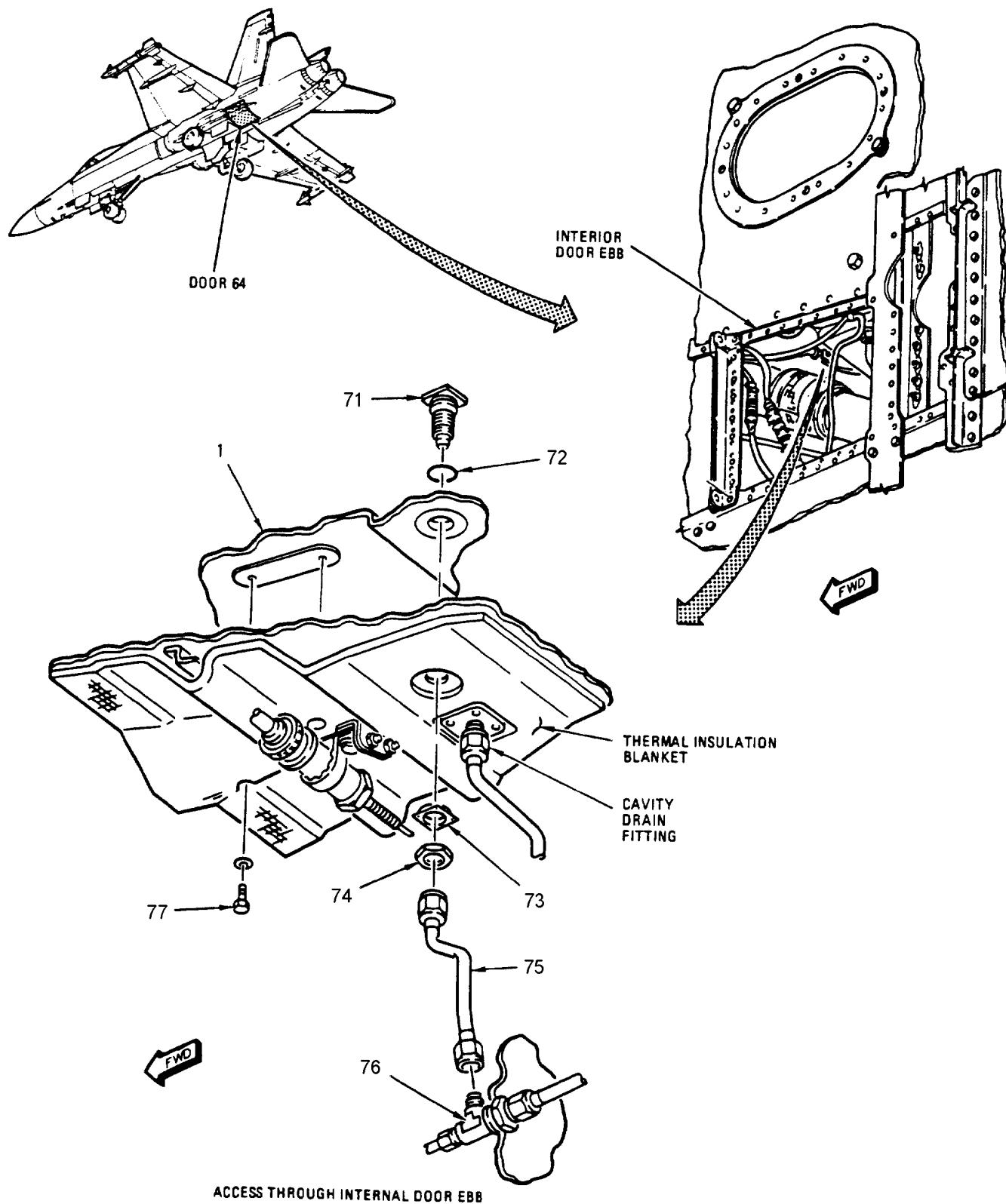


Figure 1. Vent Tank (5CAS592) (Sheet 6)

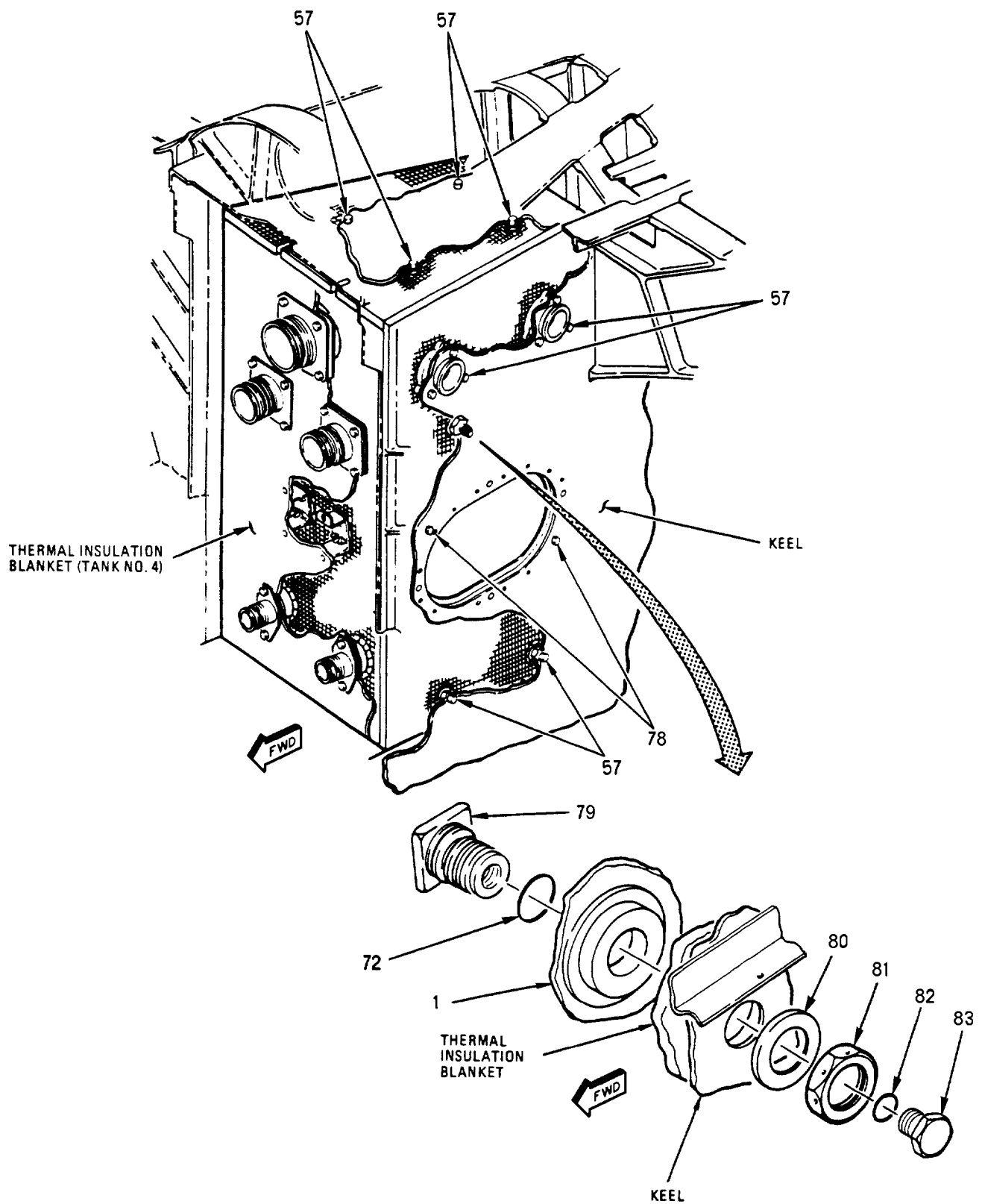


Figure 1. Vent Tank (5CAS592) (Sheet 7)

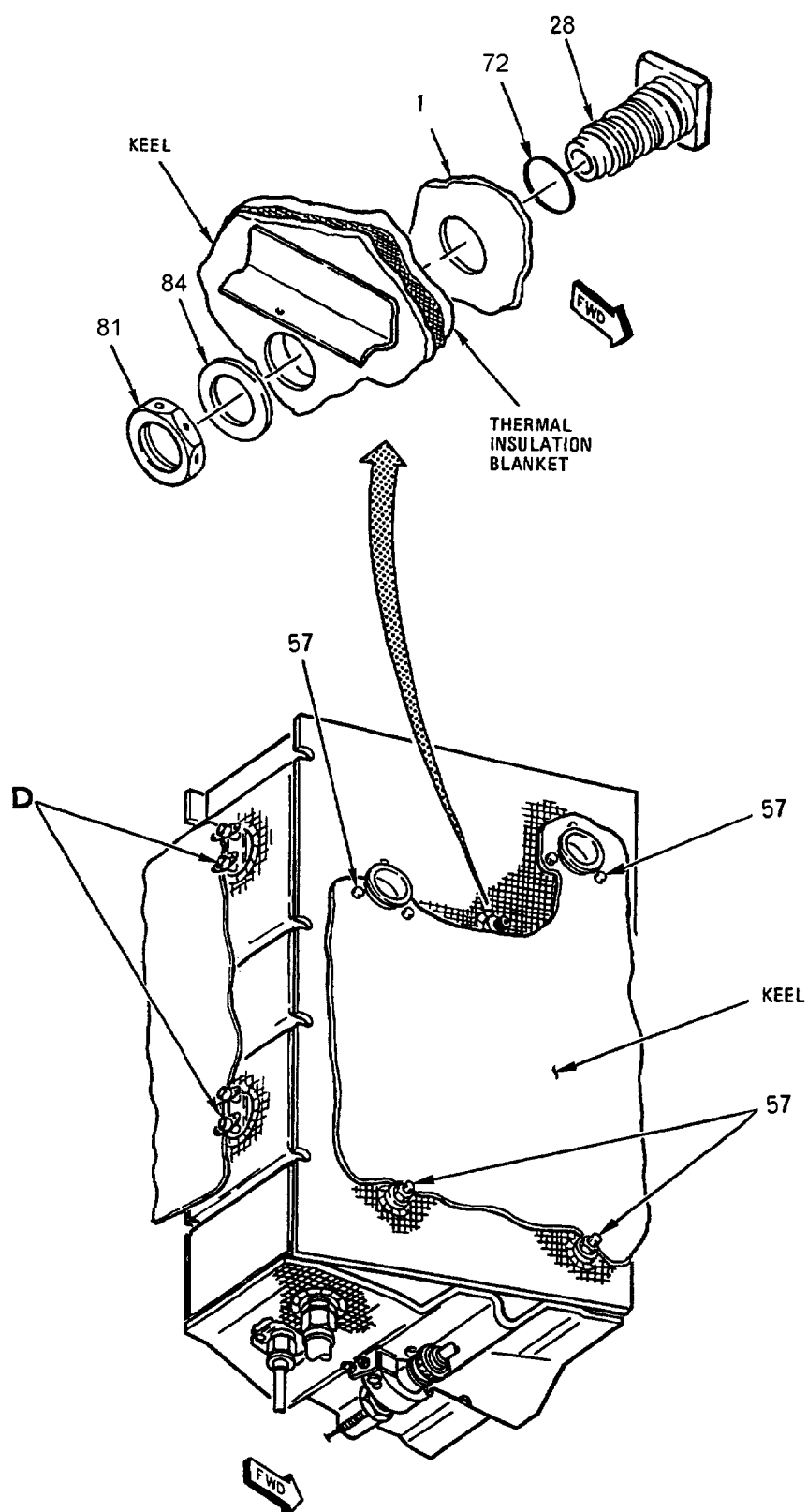


Figure 1. Vent Tank (5CAS592) (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
		VENT TANK (5CAS592) (PARTS KIT AVAILABLE)			
1	62005-5	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE (VENT TANK) (05476) (MCDONNELL SPEC 74-580161-115) (5CAS592)	1	*	PAODD
	FCR63256	. TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE (VENT TANK) (00333) (MCDONNELL SPEC 74-580161-115) (5CAS592)	1	*	PAODD
	62005-3	. SEE ABOVE (05476)	1	*	PAODD
2	74A586528-1007	. TUBE ASSEMBLY, METAL - CROSSOVER, AIR PRESSURIZATION (76301) (REPLACES 74A586528-1003)	1		PAOZZ
	74A586528-1003	. TUBE ASSEMBLY, METAL - CROSSOVER, AIR PRESSURIZATION (76301) (USE UNTIL EXHAUSTED)	1	A	PAOZZ
3	W901K32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	12		PAOZZ
	14J12-32A	. COUPLING, CLAMP, GROOVED (249B4) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	12		PAOZZ
	W901F32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)	12	*	PAOZZ
4	MS29513-226	. PACKING	24		PAOZZ
5	74A586528-1009	. TUBE ASSEMBLY, METAL - CROSSOVER, AIR PRESSURIZATION (76301) (REPLACES 74A586528-1005)	1		PAOZZ
	74A586528-1005	. TUBE ASSEMBLY, METAL - CROSSOVER, AIR PRESSURIZATION (76301) (USE UNTIL EXHAUSTED)	1	A	PAOZZ
6	74A586519-1007	. TUBE ASSEMBLY, METAL - DUMP OUTBOARD. VENT TANK, LH (76301) (SUPERSEDES 74A586519-1005)	1		XBOZZ
7	74A586521-1011	. TUBE ASSEMBLY, METAL - FUEL DUMP, VERT. STAB INTFC, Y570.5 (76301) (SUPERSEDES 74A586521-1007)	1		XBOZZ
8	74A586539-2001	. ELBOW, FUEL LINE - PRESS, VENT TANK, LH. (76301)	1		PAOZZ
9	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	5		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	5		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	5	*	PAOZZ
10	M83248/1-214	. PACKING	6		PAOZZ
11	2760096-102	. EJECTOR, JET AIR PRESSURIZATION VENT. SYSTEM, FUEL (PRESSURIZATION SYSTEM AIR PUMP) (92003) (MCDONNELL SPEC 74-580134-101) (LEFT SIDE) (5BAS511)	1		PAOZZ
12	74A586522-1019	. TUBE ASSEMBLY, METAL - VENT TANK PORT. TO AIR PRESS PUMP (LEFT SIDE ONLY) (76301) (SUPERSEDES 74A586522-1015 74A586522-1013, 74A586522-1009, 74A586522-1005 AND 74A586522-1001)	1		XBOZZ
13	NAS673V2	. BOLT	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 13)	2		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 13)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-

Figure 1. Vent Tank (5CAS592) (Sheet 9)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
14	74A586541-1003	. TUBE ASSEMBLY, METAL - FUEL PRESSURE SYS, Y561.50 (76301) (REPLACES 74A586541-1001)	1		PAOZZ
	74A586541-1001	. TUBE ASSEMBLY, METAL - FUEL PRESSURE SYS, Y561.50 (76301) (USE UNTIL EXHAUSTED)	1	A	PBOZZ
15	74A586731-2183	. BRACKET (76301) (SUPERSEDES 74A586731-2023, 74A586731-2163, AND 74A586731-2169)	3		XBOZZ
16	NAS673V2	. BOLT	8		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 16).....	16		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 16).....	8		PAOZZ
17	74A586731-2043	. BRACKET (76301)	1		XBOZZ
18	74A586728-1029	. BRACKET ASSEMBLY (76301)	1		XBOOO
19	NAS673V2	. BOLT	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 19).....	2		PAOZZ
	MS21062L3	. NUT, PLATE (USE WITH INDEX 19)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
20	MS21060L3	. NUT, PLATE	3		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
21	751-32-8	. STRAP, RETAINING (INCLUDES CUSHION)..... (83930) (MCDONNELL SPEC 9M368D32)	4	*	PAOZZ
	JM44SC13D32	. STRAP, RETAINING (INCLUDES CUSHION)..... (22175) (MCDONNELL SPEC 9M368D32)	4	*	PAOZZ
	TA12C53D32	. STRAP, RETAINING (INCLUDES CUSHION)..... (84971) (MCDONNELL SPEC 9M36BD32)	4	*	PAOZZ
22	NAS673V4	. BOLT	4		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 22).....	8		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 22).....	4		PAOZZ
23	NAS673V3	. BOLT	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 23).....	2		PAOZZ
24	NAS673V5	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 24).....	1		PAOZZ
	NAS43DD3-16	. SPACER (AP) (USE WITH INDEX 24)	1		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC..... ST3M523C3M) (USE WITH INDEX 24)	1	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC..... ST3M523C3M) (USE WITH INDEX 24)	1	*	PAOZZ
25	MS21919WDG16	. CLAMP	2		PAOZZ
26	7M637AK-D6	. TEE, TUBE TO BOSS (76301)	1		PAOZZ
	AN783D6	. TEE	1	*	PAOZZ
27	74A536524-1003	. TUBE ASSEMBLY, METAL - PRESSURE SNSR..... VENT TANK (76301) (SUPERSEDES 74A586524-1001)	1		MGOZZ
28	74A586535-2001	. CONNECTOR, FUEL LINE VENT TANK (76301)	1		XBOZZ
29	74A586522-1019	. TUBE ASSEMBLY, METAL - VENT TANK PORT..... TO AIR PRESS PUMP (RIGHT SIDE ONLY) (76301) (SUPERSEDES 74A586522-1017 74A586522-1011 74A586522-1007 74A586522-1003)	1		XBOZZ
30	74A586520-1005	. TUBE ASSEMBLY, METAL - DUMP, OUTBOARD..... VENT TANK RH (76301) (SUPERSEDES 74A586520-1003)	1		XBOZZ
31	2760096-102	. EJECTOR JET, AIR PRESSURIZATION VENT..... SYSTEM FUEL (PRESSURIZATION SYSTEM AIR PUMP) (92203) (MCDONNELL SPEC 74-580134-101) (RIGHT SIDE) (5BAT512)	1		PAOZZ
32	74A586521-1009	. TUBE ASSEMBLY, METAL - FUEL DUMP, VERT..... STAB INTFC, Y570.5 (76301)	1		XBOZZ
33	W901K48DE	. COUPLING, CLAMP, GROOVED (79326)..... (MCDONNELL SPEC 7M765-48D) (INCLUDES SLEEVE)	1		PAOZZ

Figure 1. Vent Tank (5CAS592) (Sheet 10)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	14J12-48A	.						COUPLING, CLAMP, GROOVED (24984)	1		PAOZZ
		.						(MCDONNELL SPEC 7M765-48D)			
		.						(INCLUDES SLEEVE)			
	W901F48DE	.						COUPLING, CLAMP, GROOVED (79326)	1	*	PAOZZ
		.						(MCDONNELL SPEC 7M550-48D)			
		.						(INCLUDES SLEEVE)			
34	MS29513-234	.						PACKING	2		PAOZZ
35	55-6004	.						DISK ASSEMBLY, VALVE, CHECK, FUEL	1		PAOZZ
		.						SYSTEM, GRAVITY FEED (96736)			
		.						(SIPHO BREAKER CHECK VALVE)			
		.						(MCDONNELL SPEC 74J588006-109)			
		.						(5VAS545)			
	20C112-109	.						SEE ABOVE (82829)	1	*	PAOZZ
36	74A586514-1001	.						TUBE ASSEMBLY, METAL - FUEL VENT	1		XBOZZ
		.						TANK (76301)			
37	MS21919WDF32	.						CLAMP	1		PAOZZ
38	MS21919WDF48	.						CLAMP	1		PAOZZ
	NAS673V4	.						BOLT (AP)	1		PAOZZ
	AN960JD10L	.						WASHER (AP)	2		PAOZZ
	NAS1291C3M	.						NUT	1		PAOZZ
39	74A586512-1001	.						MANIFOLD, FLUID, AIRCRAFT - DUMP LINE,	1		XBOZZ
		.						VENT TANK, RH (76301)			
40	74A586513-1001	.						MANIFOLD, FLUID, AIRCRAFT - DUMP LINE,	1		XBOZZ
		.						VENT TANK, LH (76301)			
41	W901K8DE	.						COUPLING, CLAMP, GROOVED (79326)	2		PAOZZ
		.						(MCDONNELL SPEC 7M765-8D)			
		.						(INCLUDES SLEEVE)			
	14J12-8A	.						COUPLING, CLAMP, GROOVED (24984)	2		PAOZZ
		.						(MCDONNELL SPEC 7M765-8D)			
		.						(INCLUDES SLEEVE)			
	W901F8DE	.						COUPLING, CLAMP, GROOVED (79326)	2	*	PAOZZ
		.						(MCDONNELL SPEC 7M550-8D)			
		.						(INCLUDES SLEEVE)			
42	MS29513-015	.						PACKING	4		PAOZZ
43	W702-48D	.						NUT ASSEMBLY, TUBE COUPLING (79326)	1	*	PAOZZ
		.						(MCDONNELL SPEC ST7N191-48D)			
		.						(INCLUDES NUT AND 2 WASHERS)			
	12H72-48A	.						SEE ABOVE (24984)	1	*	PAOZZ
44	MS29513-338	.						PACKING	1		PAOZZ
45	MS25281-R16	.						CLAMP	2		PAOZZ
	NAS673V3	.						BOLT (AP)	2		PAOZZ
	AN960JD10L	.						WASHER (AP)	2		PAOZZ
	A11144A7-3	.						NUT, CLIP (72962) (MCDONNELL SPEC	2	*	PAOZZ
		.						ST3M523C3M) (USE WITH INDEX 45)			
	A11144-7-3	.						SEE ABOVE	2	*	PAOZZ
	130091	.						SEE ABOVE (60119)	2	*	PAOZZ
46	69-303	.						STRAINER ELEMENT, SEDIMENT - SCAVENGE	1		PAOZZ
		.						PUMP INLET, VENT TK (SCAVENGE PUMP			
		.						INLET SCREEN) (14818) (MCDONNELL			
		.						SPEC 74J588001-101) (5FAS604)			
47	74A586518-1001	.						TUBE ASSEMBLY, METAL - SCAVENGE PUMP	1		XBOZZ
		.						INLET, VENT TANK (LEFT SIDE) (76301)			
	NAS673V2	.						BOLT (AP) (TO STRAINER)	2		PAOZZ
	AN960JD10L	.						WASHER (AP) (TO STRAINER)	2		PAOZZ
48	2S2726	.						VALVE, CHECK - FUEL, SMALL LINE	2		PAOZZ
		.						MOUNTED (VENT TANK SCAVENGE			
		.						CHECK VALVE) (99240) (MCDONNELL			
		.						SPEC 74-580125-107) (5VAS602 AND			
		.						SVAT612)			
	NAS673V1	.						BOLT (AP)	4		PAOZZ
	AN960JD10	.						WASHER (AP)	4		PAOZZ
	MS29513-216	.						PACKING (USE WITH INDEX 48)	1		PAOZZ
49	MS29513-214	.						PACKING	4		PAOZZ

Figure 1. Vent Tank (5CAS592) (Sheet 11)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
50	74A586518-1002	.	TUBE ASSEMBLY, METAL - SCAVENGE PUMP.						1		XBOZZ
		.	INLET, VENT TANK (RIGHT SIDE) (76301)								
	NAS673V3	.	BOLT (AP) (TO STRAINER).						2		PAOZZ
	AN960JD10L	.	WASHER (AP) (TO STRAINER).						2		PAOZZ
51	W901K12DE	.	COUPLING, CLAMP, GROOVED (79326)						1		PAOZZ
		.	(MCDONNELL SPEC 7M765-12D)								
		.	(INCLUDES SLEEVE)								
	14J12-12A	.	COUPLING, CLAMP, GROOVED (24984)						1		PAOZZ
		.	(MCDONNELL SPEC 7M765-12D)								
		.	(INCLUDES SLEEVE)								
	W901F12DE	.	COUPLING, CLAMP, GROOVED (79326)						1	*	PAOZZ
		.	(MCDONNELL SPEC 7M550-12D)								
		.	(INCLUDES SLEEVE)								
52	MS29513-117	.	PACKING.						2		PAOZZ
53	74A586523-1007	.	MANIFOLD, FLUID, AIRCRAFT - FUEL DUMP.						1		XBOZZ
		.	LINE, PRESS RLF V (76301) (SUPERSEDES								
		.	74A586523-1003)								
54	74A586545-1001	.	DIVERTER ASSY, AIR - VENT TANK (LEFT.						1	B	XBOZZ
		.	SIDE) (76301)								
	74A586545-1003	.	DIVERTER ASSY, AIR - VENT TANK (RIGHT						1	B	XBOZZ
		.	SIDE) (76301)								
	NAS674V2	.	BOLT (AP)						6		PAOZZ
	AN960JD416	.	WASHER (AP)						6		PAOZZ
55	74A586244-2007	.	WASHER (RETAINER) (76301)						2		PAOZZ
56	M25988-1-312	.	PACKING.						4		PAOZZ
57	NAS674V1	.	BOLT						22		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 57).						22		PAOZZ
58	74A585747-2001 ¶	.	RETAINER, FUEL CELL FITTING - BULKHEAD,						1		PAOZZ
		.	3.00 IN. DIA, ASSY OF (76301)								
	74A585733-1001 ¶	.	SEE ABOVE						1	*	PAOZZ
	LS580175-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 3.0 IN.						1	B	PAOBZ
		.	DIA TUBE (03038) (MCDONNELL SPEC								
		.	74B580175-101)								
59	MS29513-341	.	PACKING.						1		PAOZZ
60	74A585733-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 2.00						1		PAOZZ
		.	IN. DIA, ASSY OF (76301)								
	74A585733-1001 ¶	.	SEE ABOVE						1	*	PAOZZ
	LS580173-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 2.0						2	B	PAOBZ
		.	IN. DIA TUBE (03038) (MCDONNELL SPEC								
		.	74B580173-101)								
61	MS29513-333	.	PACKING.						2		PAOZZ
62	NAS674V2	.	BOLT						2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 62).						2		PAOZZ
63	925V100	.	VALVE, CHECK - DRAIN (DUMP LINE.						1		PAOZZ
		.	AUTOMATIC DRAIN VALVE) (00672)								
		.	(MCDONNELL SPEC 74J588007-101)								
		.	(5VAS518)								
64	74A585735-2001 ¶	.	RETAINER, FUEL CELL FITTING - BHD, 1.00						1		PAOZZ
		.	DIA, ASSY OF (76301)								
	74A585735-1001 ¶	.	SEE ABOVE						1	*	PAOZZ
	LS580178-101 ¶	.	LOCKNUT, TUBE FITTING - BHD CONN, 1.0						2	B	PAOBZ
		.	IN. DIA TUBE (03038) (MCDONNELL SPEC								
		.	74B580178-101)								
65	MS29513-325	.	PACKING.						2		PAOZZ
66	74A586515-1001	.	TUBE ASSEMBLY, METAL - VENT LINE,						1		XBOOO
		.	LOWER VENT TANK (76301)								
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 66)						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
67	NAS673V18	.	BOLT						2		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 67).						2		PAOZZ
	NAS43DD3-56	.	SPACER (USE WITH INDEX 67).						2		PAOZZ
68	NAS673V16	.	BOLT						1		PAOZZ

Figure 1. Vent Tank (5CAS592) (Sheet 12)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	AN960JD10L	.						WASHER (USE WITH INDEX 68).....	1		PAOZZ
	NAS43DD3-56	.						SPACER (USE WITH INDEX 68).....	1		PAOZZ
69	74A586505-2001	.						BRACKET - FUEL LINE, VENT TANK (76301).....	1		MGOZZ
70	NAS674V1	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 70).....	2		PAOZZ
71	74A586535-2005	.						CONNECTOR, FUEL LINE - VENT TANK (76301).....	1		XBOZZ
72	NS29513-210	.						PACKING.....	3		PAOZZ
73	74A586586-2003	.						WASHER (76301)	1		PAOZZ
74	NAS509-14C	.						NUT	1		PAOZZ
75	74A586533-1003	.						TUBE ASSEMBLY, METAL - VENT TANK	1		MGOZZ
								DRAIN, Y570.83 - Y570.83 (76301) (SUPERSEDES 74A586533-1001)			
76	7M118J08-04-08	.						TEE (76301)	1		PAOZZ
77	NAS1351C4-8	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 77).....	2		PAOZZ
78	NAS6704U1	.						BOLT	2		PAOZZ
	AN960C416L	.						WASHER (USE WITH INDEX 78).....	2		PAOZZ
79	74A586543-2003	.						HOLDER - TEMPERATURE SENSOR, FUEL,	1		XBOZZ
								VENT TANK (76301)			
80	AN960JD416L	.						WASHER	1		PAOZZ
81	74A586542-2005	.						NUT, PLAIN, HEXAGON - LOCKING, PUMP.....	2		XBOZZ
								ELBOW, VENT TANK (76301)			
82	MS29512-04	.						PACKING.....	1		PAOZZ
83	AN814-4DL	.						PLUG	1		PAOZZ
84	AN960JD416L	.						WASHER	1		PAOZZ
	74R580005-1003	.						PACKING ASSORTMENT, PREFORMED - VENT.	1		PAOZZ
								TANK (76301)			
	MS29513-341	.						PACKING.....	1		XAOZZ
	MS29513-338	.						PACKING.....	1		XAOZZ
	MS29513-333	.						PACKING.....	2		XAOZZ
	MS29513-325	.						PACKING.....	2		XAOZZ
	MS29513-234	.						PACKING.....	2		XAOZZ
	MS29513-226	.						PACKING.....	24		XAOZZ
	MS29513-214	.						PACKING.....	4		XAOZZ
	MS29513-210	.						PACKING.....	3		XAOZZ
	MS29513-015	.						PACKING.....	4		XAOZZ
	M83248-1-214	.						PACKING.....	4		XAOZZ
	M25988-1-312	.						PACKING.....	4		XAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

¶ NUTS ARE USED WITH PROTRUDING TYPE
BULKHEAD CONNECTORS. RETAINERS
ARE USED WITH NON-PROTRUDING TYPE
BULKHEAD CONNECTORS. RETAINERS
AND NON-PROTRUDING TYPE BULKHEAD
CONNECTORS ARE REPLACEMENT PARTS
FOR NUTS AND PROTRUDING TYPE
BULKHEAD CONNECTORS REF WP044 00
AND WP013 02.

CODE	USABLE ON	MODEL
A	161353 THRU 161519	F/A-18A/B
B	161353 THRU 161961	F/A-18A/B

Figure 1. Vent Tank (5CAS592) (Sheet 13)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
VENT TANK INSPECTION AND FOLDING
FUEL STORAGE SYSTEM

Reference Material

Fuel System A1-F18AC-460-300
 Fuel Tank Fitting Repair WP036 00
 Aircraft Fuel Cells and Internal/External Tanks NAVAIR 01-1A-35

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Materials Required	1
Vent Tank Folding, Figure 1	3
Support Equipment Required	1

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation	Nomenclature
SK-2955	Protector Cap Kit
MMEP-12B	Hot Air Blower

Materials Required (Cont)

Specification or Part Number	Nomenclature
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
-	Plastic or Wooden Scraper

Materials Required

Specification or Part Number	Nomenclature
MIL-B-121, Type 1, Grade A, Class 1 (CAGE 81349)	Barrier Material
AA-A-42A (CAGE 58536)	Talcum Powder

**1. FUEL TANK HANDLING PRECAU-
TIONS.**

a. Do not remove tank from storage container until ready for installation or inspection.

b. Do not drag, tumble or use tank fittings for handles.

c. After removal from container, keep fuel tank on a clean barrier material.

d. Keep tank out of direct sunlight.

e. Tank and cavity must be at least 60°F before folding for removal and installation. Use hot air blower are required.

f. Do not wear shoes, jewelry or use any other sharp objects while folding fuel tank. Wear only clean cotton overalls with no pockets or buttons.

g. Do not stand or kneel on tank.

h. Do not crease or fold areas around tank fittings.

i. Do not rest tank folded for more than 8 hours.

k. Follow folding procedure in figure 1 for installation or removal.

2. INSPECTION. (QA)

a. Inspect fuel tank per NAVAIR 01-1A-35 and substeps below:

(1) Inspect fuel tank interior for loose liner lap.

(2) A loose liner lap is allowable up to 1/4 inch width for complete length of liner lap, if 1 inch bond is maintained on fabric liner and 1/4 inch on rubber liner.

(3) Inspect for and remove foreign material in access fitting floating nuts.

(4) Inspect for and clean (paragraph 3) all fittings of:

(a) dirt

(b) grease

(c) corrosion

(d) burrs

(e) foreign material that would prevent packing seal

(5) Inspect for and repair (WP036 00) fittings with:

(a) cracks

(b) scratches at tank/cavity sealing surface

(c) nicks at tank/cavity sealing surface

(d) distortion

(e) damaged threads

(f) sharp edges

(g) damage that would cause mismatch, or prevent packing seal

3. CLEANING.



Isopropyl Alcohol, TT-I-735

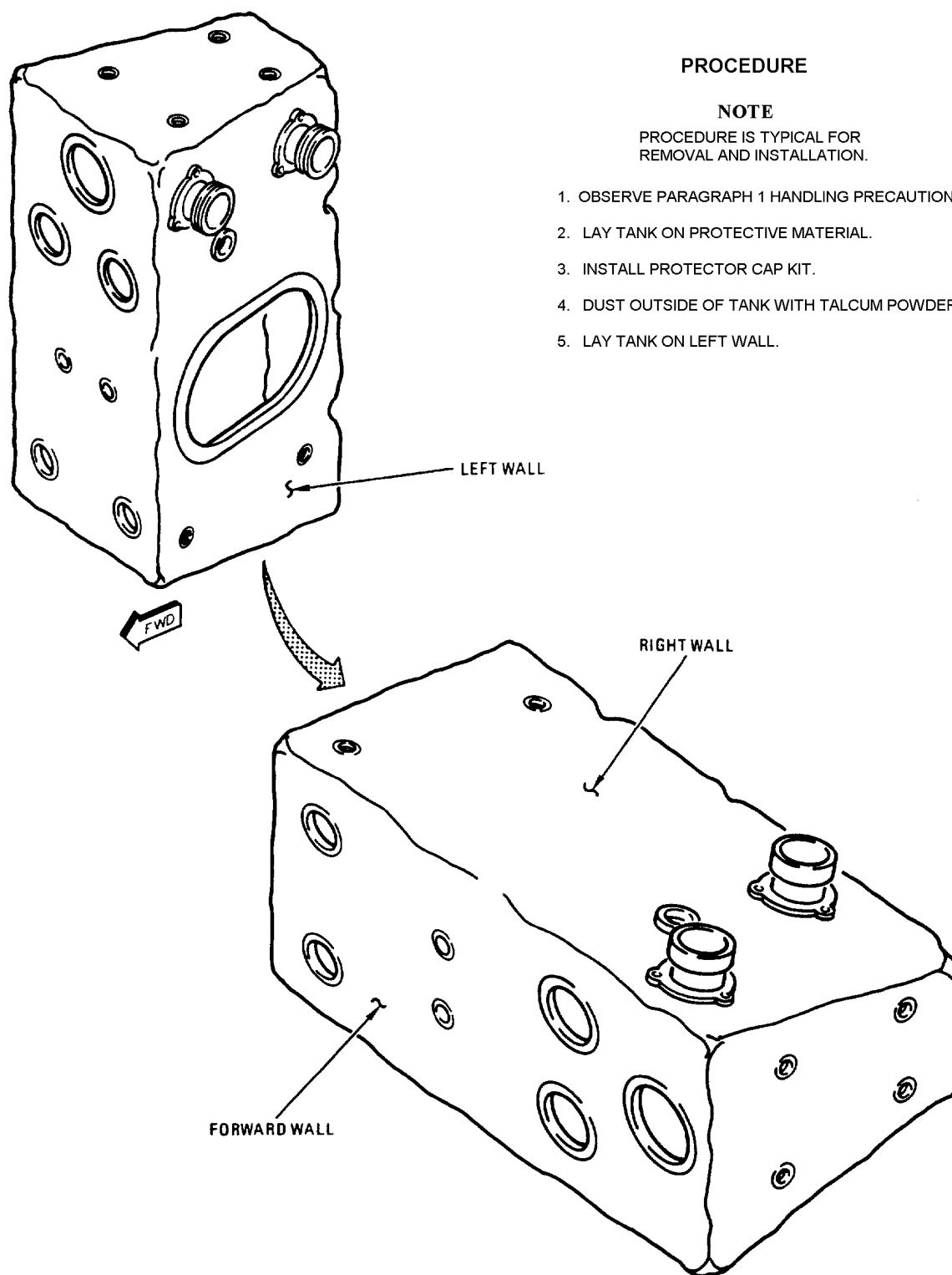
2



To prevent scratches, use only a plastic or wooden scraper, and clean lint-free cheesecloth to remove foreign material from fuel tank fittings.

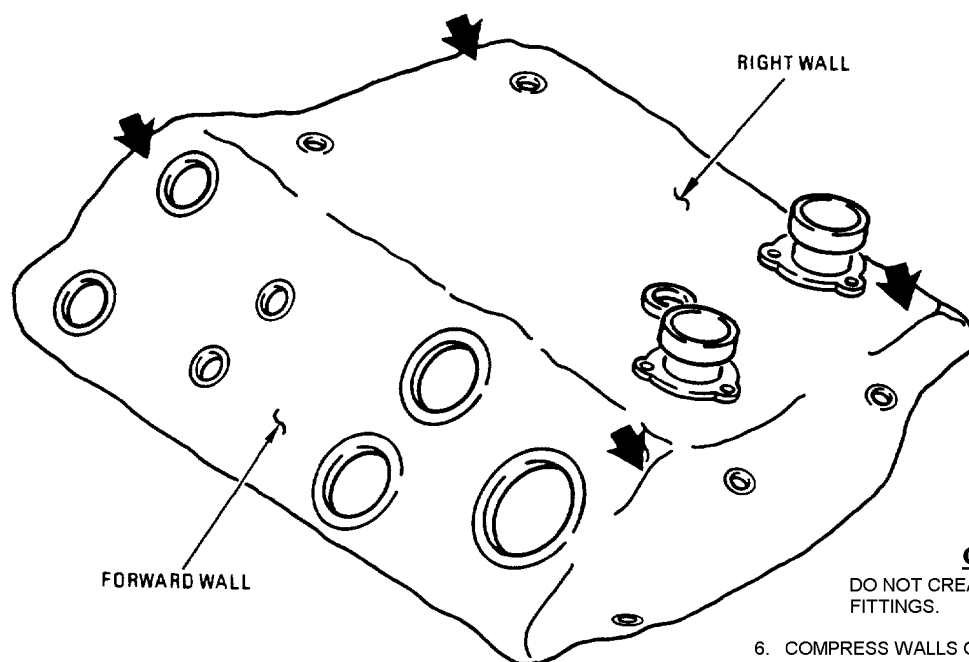
a. Using a plastic or wooden scraper, and clean lint-free cheesecloth moistened in isopropyl alcohol, remove dirt, grease or foreign material.

b. Wipe area with dry cheesecloth before isopropyl alcohol evaporates.



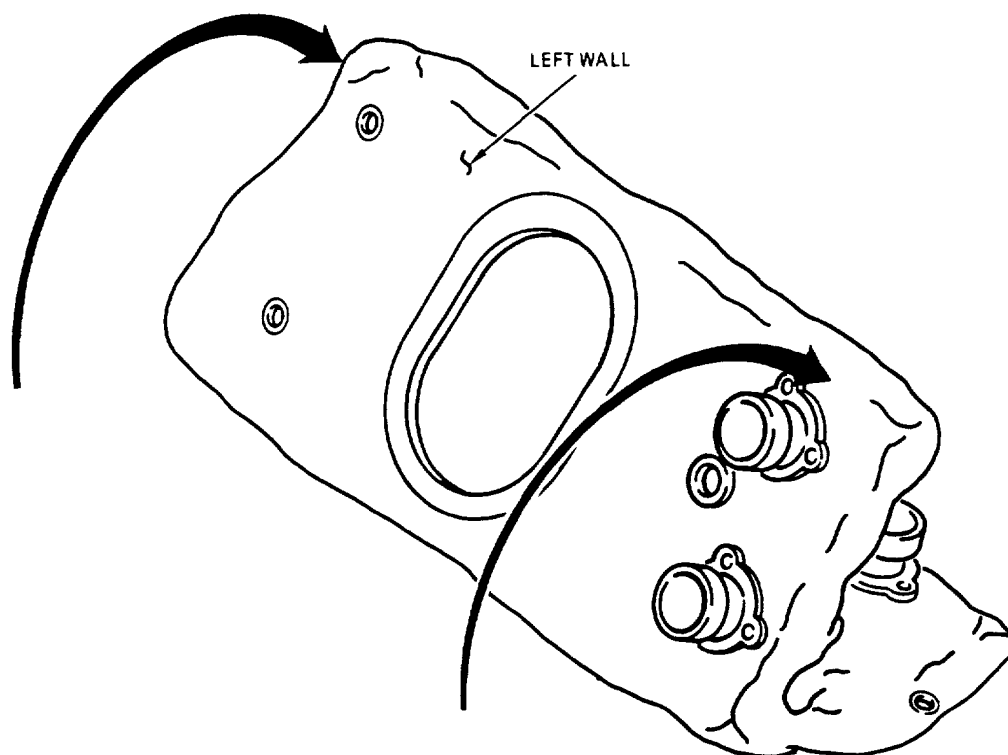
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Figure 1. Vent Tank Folding (Sheet 1)

**CAUTION**

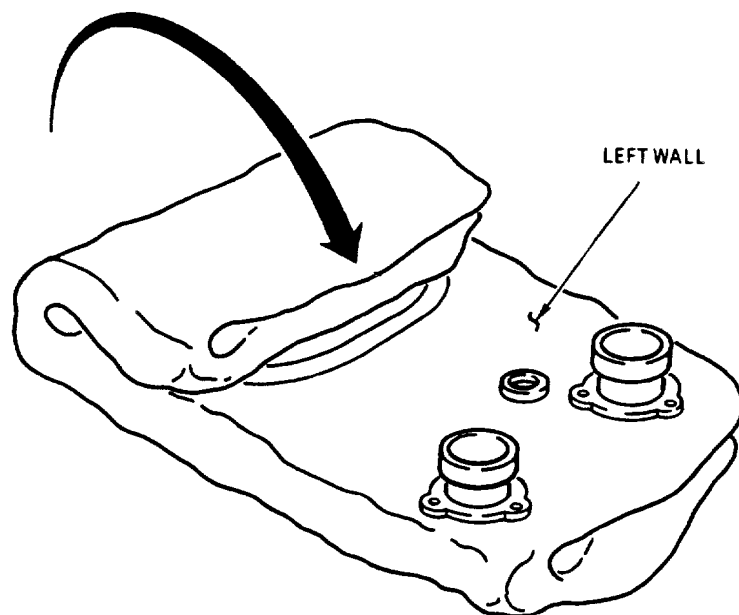
DO NOT CREASE OR FOLD AREA AROUND FITTINGS.

6. COMPRESS WALLS OF TANK.
7. WHILE FOLDING TANK, TUCK AS TIGHT AS POSSIBLE.
8. FOLD TANK IN HALF.



03400102

Figure 1. Vent Tank Folding (Sheet 2)



9. FOLD BOTTOM OF TANK OVER DOOR FITTING.
10. FOLD TOP OF TANK OVER DOOR FITTING.
11. IT IS NOT NECESSARY TO STRAP TANK. COMPRESS TANK TO A COMPACT PACKAGE.
12. GUIDE TANK THROUGH DOOR OPENING BUT DO NOT USE SHARP TOOLS OR FORCE.
13. POSITION TANK, REMOVE PROTECTOR CAPS FROM INSIDE TANK.
14. POSITION TANK TO STRUCTURE.

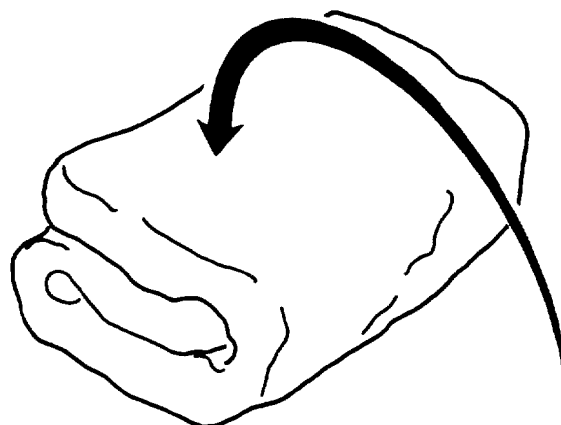


Figure 1. Vent Tank Folding (Sheet 3)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

VENT TANK CAVITY FOAM FILLER

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuel Tank Cavity Preparation	WP039 00
Fuel Tank Cavity Thermal Blankets	WP036 01

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Record of Applicable Technical Directives

None

Support Equipment Required

None

Materials Required (Cont)

Specification
or Part Number

Nomenclature

Materials Required

Specification
or Part Number

Nomenclature

TT-I-735
(CAGE 81348) Isopropyl Alcohol

CCC-C-440, Type 1,
Class 1
(CAGE 81348) Cheesecloth

EC847
(CAGE 04963)

Adhesive

-

Plastic or Wooden
Scraper

1. REMOVAL.

a. Observe applicable fuel tank maintenance precautions (WP013 00).

NOTE

Vent tank thermal blanket on forward bulkhead must be removed, and top portion of thermal blanket on aft bulkhead must be loosened to inspect foam filler (WP036 01).

b. Remove foam filler that is:

(1) damaged

(2) fuel soaked (fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00)

(3) loose

c. Remove anti-chafe tape that is:

(1) damaged

(2) loose

d. Scrape away adhesive using plastic or wooden scraper.

2. INSTALLATION. (Figure 1).

a. Observe applicable fuel tank maintenance precautions (WP013 00).

b. Apply anti-chafe tape per WP039 00.

c. Fasteners protruding 0.125 inch require foam filler and anti-chafe tape. Refer to WP039 00.



Isopropyl Alcohol, TT-I-735

2

NOTE

Clean area to be bonded immediately before applying adhesive.

d. Clean surface to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe area with clean,

dry cheesecloth before isopropyl alcohol evaporates. Repeat above step until no visible contamination remains.

e. Surface of foam to be bonded must be roughened to expose foam cells.

f. Position foam in place. Apply hand pressure to allow forming around structure and fasteners. Trim as required.



Adhesive, EC847

4

g. Apply adhesive to either foam or structure so that foam will be held at edges. Undercut edges or surfaces over protruding fasteners do not have to be bonded. Complete coverage of adhesive is required only on foam that is suspended. Additional adhesive may be used sparingly on larger blocks.

h. Allow adhesive to dry until tacky (5 to 10 minutes). Position foam in place, apply hand pressure to assure proper seating and remove trapped air.

i. Remove excess adhesive from fittings.

j. Allow bonded foam to air cure a minimum of 2 to 4 hours before fuel cell installation.

k. Install vent tank cavity thermal blankets as required (WP 036 01).

3. INSPECTION.

4. Visually inspect (WP039 00) complete cavity for metal edges or protrusions not covered with foam filler, thermal insulation blankets, or anti-chafe tape which could cause damage to fuel tank. (QA)

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

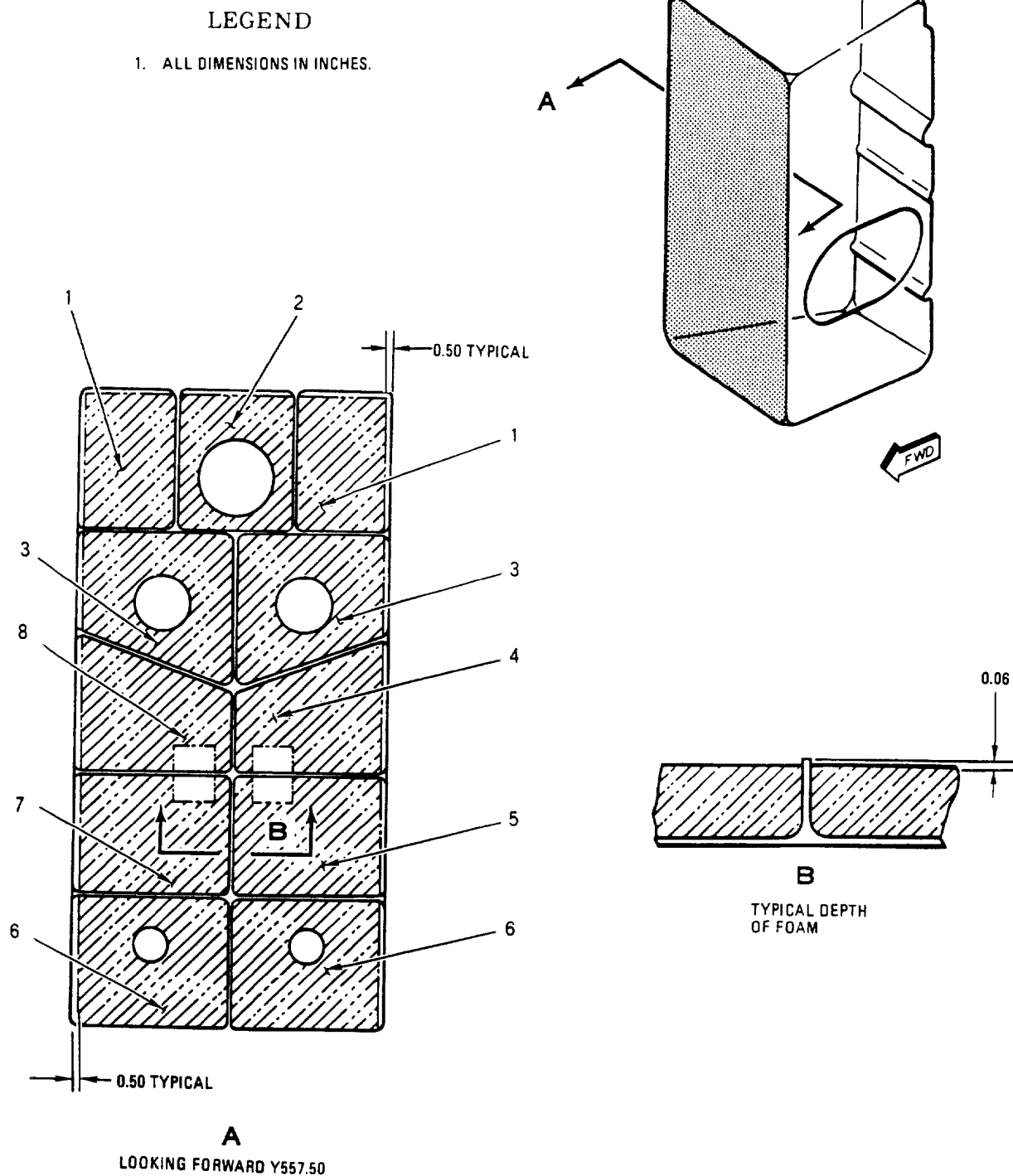


Figure 1. Vent Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 1)

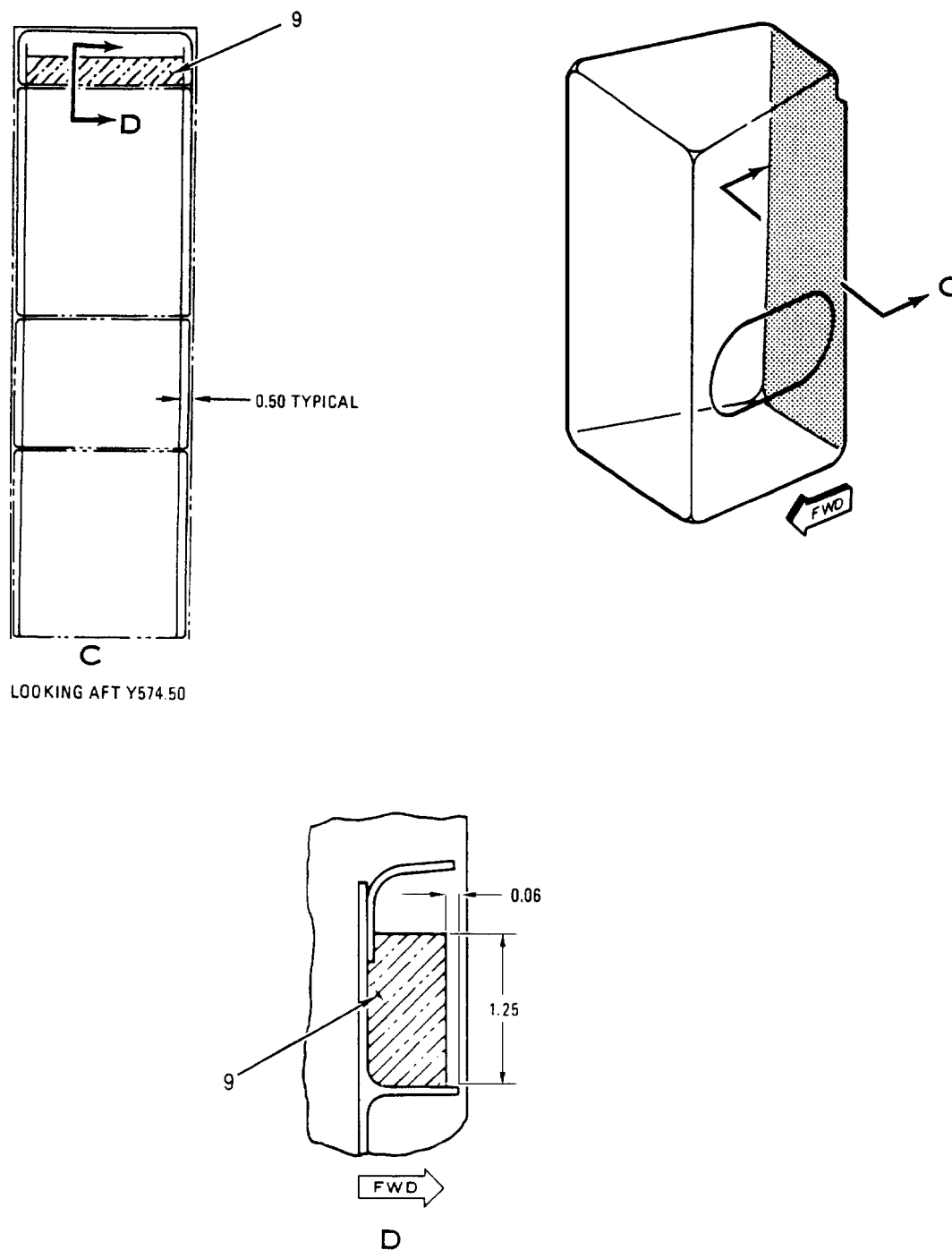


Figure 1. Vent Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		VENT TANK CAVITY FOAM FILLER - 161353.....									
		THRU 161741									
1	74AS86500-2009 +	.						FILLER (FOAM) (76301)	2		MGOZZ
2	74A586500-2011 +	.						FILLER (FOAM) (76301)	1		MGOZZ
3	74A586500-2007 +	.						FILLER (FOAM) (76301)	2		MGOZZ
4	74A586500-2005 +	.						FILLER (FOAM) (76301)	1		MGOZZ
5	74A586500-2003 +	.						FILLER (FOAM) (76301)	1		MGOZZ
6	74A586500-2001 +	.						FILLER (FOAM) (76301)	2		MGOZZ
7	74A586500-2019 +	.						FILLER (FOAM) (76301)	1		MGOZZ
8	74A586500-2017 +	.						FILLER (FOAM) (76301)	1		MGOZZ
9	74A586500 2023 +	.						FILLER (FOAM) (76301)	1		MGOZZ

+ SEE A1-F18AC-SRM-230, WP026 00 AND
WP026 01 FOR FOAM FILLER DIMENSIONS

Figure 1. Vent Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 3)

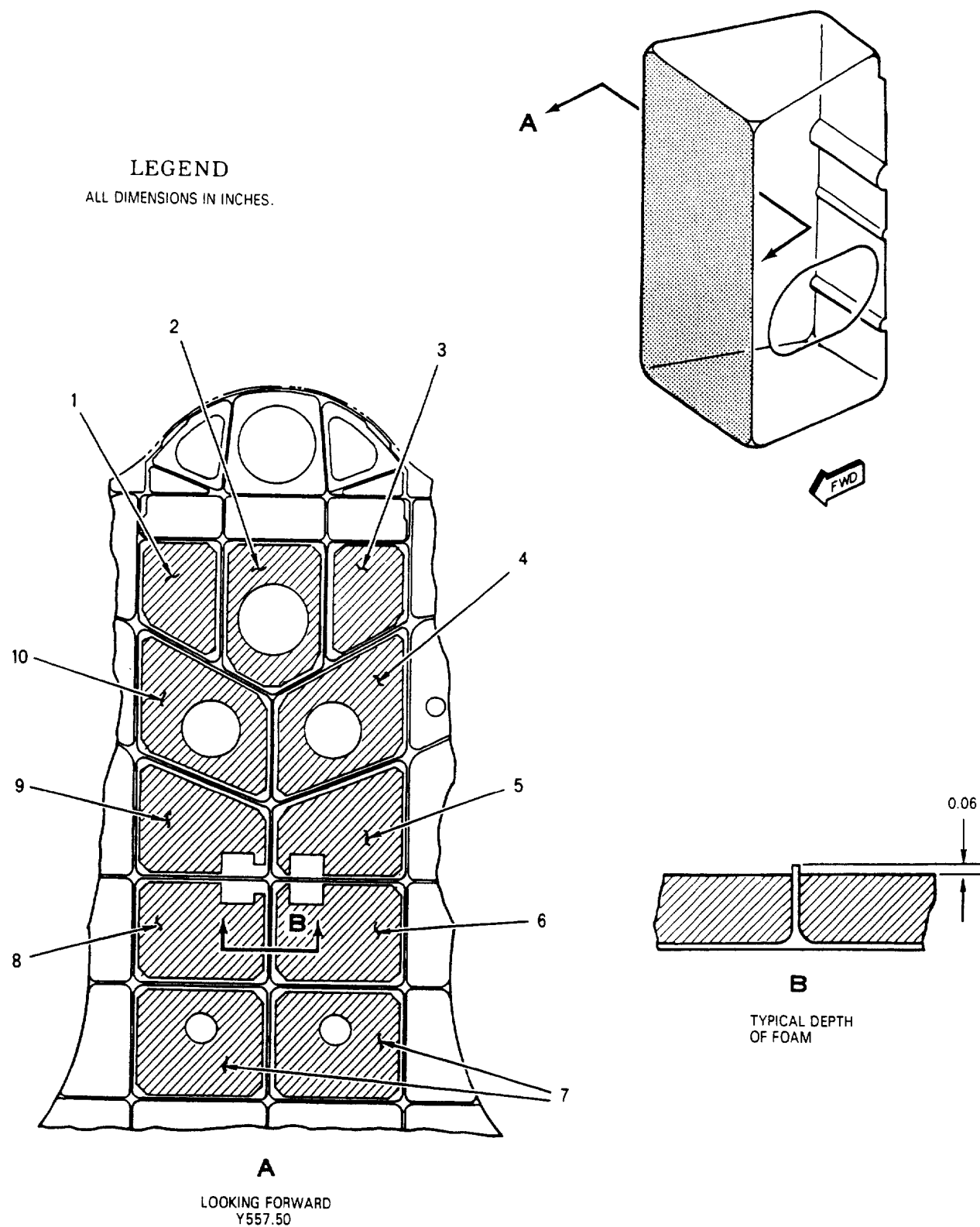
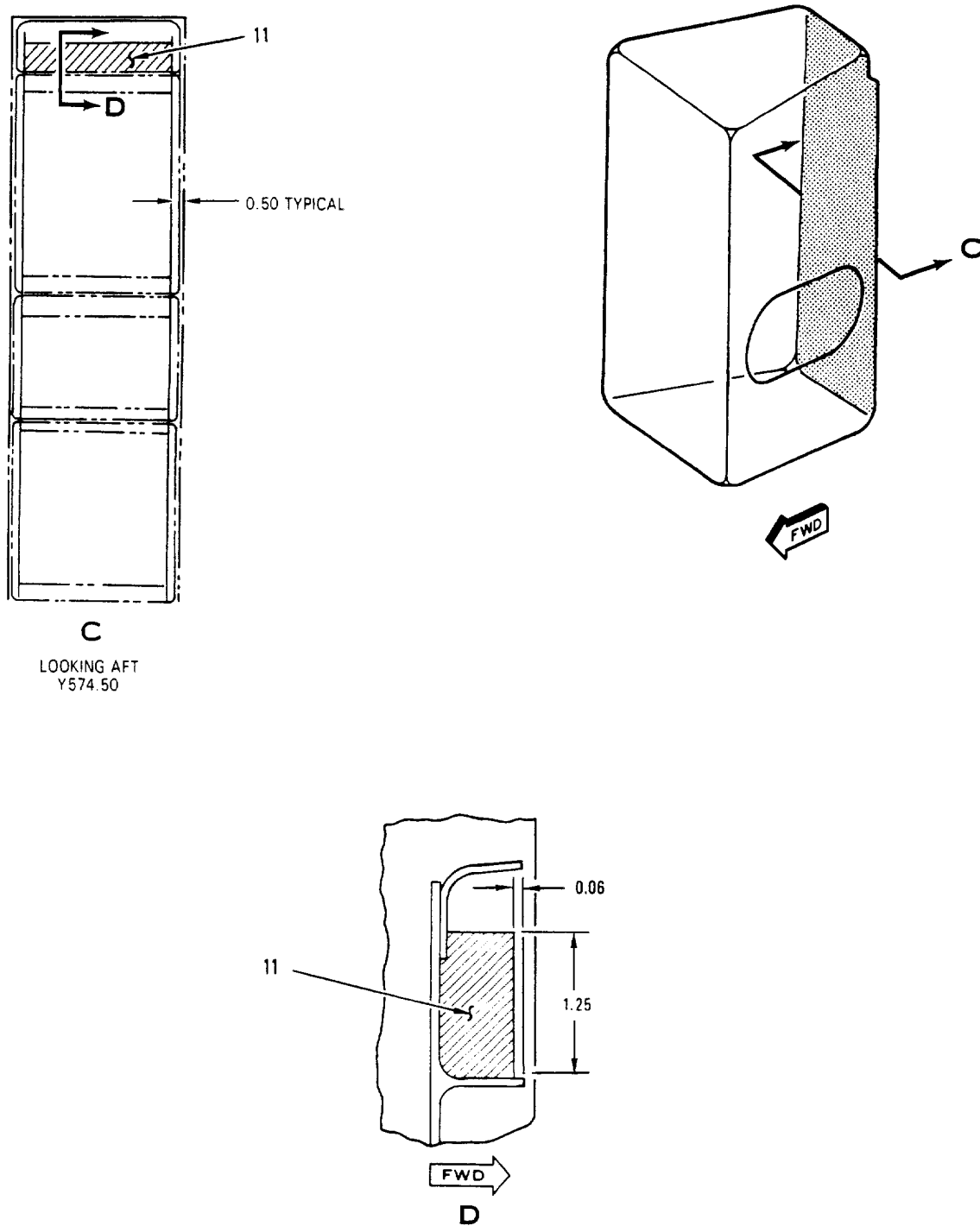


Figure 2. Vent Tank Cavity Foam Filler - 161742 AND UP (Sheet 1)



34010202

Figure 2. Vent Tank Cavity Foam Filler - 161742 AND UP (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		VENT TANK CAVITY FOAM FILLER 161792.....									
		AND UP									
1	74A586500-2031 +	.						FILLER (FOAM) (76301)	1		MGOZZ
2	74A586500-2029 +	.						FILLER (FOAM) (76301)	1		MGOZZ
3	74A586500-2027 +	.						FILLER (FOAM) (76301)	1		MGOZZ
4	74A586500-2025 +	.						FILLER (FOAM) (76301)	1		MGOZZ
5	74A586500 2039 +	.						FILLER (FOAM) (76301)	1		MGOZZ
6	74A586500-2037 +	.						FILLER (FOAM) (76301)	1		MGOZZ
7	74A586500-2035 +	.						FILLER (FOAM) (76301)	2		MGOZZ
8	74A586500 2043 +	.						FILLER (FOAM) (76301)	1		MGOZZ
9	74A586500-2041 +	.						FILLER (FOAM) (76301)	1		MGOZZ
10	74A586500-2033 +	.						FILLER (FOAM) (76301)	1		MGOZZ
11	74A586500-2023 +	.						FILLER (FOAM) (76301)	1		MGOZZ

+ SEE A1-F18AC-SRM 230, WP026 00 AND
WP026 01 FOR FOAM FILLER DIMENSIONS.

Figure 2. Vent Tank Cavity Foam Filler - 161742 AND UP (Sheet 3)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

FUEL TANK ACCESS FITTING FLOATING NUT REPAIR

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Structure Hardware	NAVAIR 01-1A-8

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Inspection	1

Record of Applicable Technical Directives

None

1. INSPECTION.

a. If the floating insert rotates freely, indicating the plug or cup restraining blade has broken, replace the floating insert (paragraph 2).

b. If the floating insert does not rotate, indicating the plug or cup restraining blade is intact but the helicoil is damaged, replace the helicoil (paragraph 5).

c. If access cover installation bolt is severed in floating insert, replace floating insert (paragraph 2).

2. FLOATING INSERT REPAIR.

Support Equipment Required

Part Number or Type Designation	Nomenclature
74D460030-1001	Fuel Tank Floating Nut Removal, Repair Set
-	C-Clamp 4 inch
-	Wooden Block
-	Paint Brush

Materials Required

Specification or Part Number	Nomenclature
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
301 (CAGE 97327)	Cheesecloth
MIL-R-46082, Type 3 (CAGE 81349)	Sealing Compound
MIL-S-22473, Grade N, Form R (CAGE 81349)	Primer, Sealing Compound
-	#500 Emery Cloth
A-A-1047 GRIT 400-9X11 (CAGE 58536)	Paper, Abrasive (Sandpaper)

3. REMOVAL.

a. Do a general preparation for removal (WP013 00).



To prevent extraction of shell, use only floating nut repair tool.

b. If replacing damaged floating insert do substeps below:

(1) Position floating nut repair tool around shell (figure 1, details A and B).

(2) Position floating nut repair tool driver in floating nut insert of tank access fitting.

(3) Tighten floating nut repair tool driver until plug (detail A) or cup (detail B) shears away from shell.

(4) Remove floating nut repair tool, plug or cup and thread insert.

c. If replacing floating insert because of severed bolt do substeps below:

(1) Position floating nut repair tool around shell (figure 1, detail C).

(2) Insert floating nut repair tool driver in guide and position over severed bolt.

(3) Tighten floating nut repair tool driver until plug or cup shears away from shell.

(4) Remove floating nut repair tool, plug or cup and severed bolt.

4. INSTALLATION.

a. If cup was removed in step 3b or 3c use sandpaper to remove sealing compound from surface of shell.

b. Remove burrs and smooth rough edges and surface with emery cloth.



Isopropyl Alcohol, TT-I-735

2

c. Using a clean chessecloth, moisten in isopropyl alcohol and remove dirt, grease or foreign material from surfaces of shell and cup (2, figure 2).

d. Wipe area dry.

e. Position thread insert (1) in shell and install a bolt with three washers that were used to install access fitting.

f. Make sure thread insert (1) is held away from bottom of shell by the bolt.



Primer, Sealing Compound, MIL-S-22473, Grade N, Form R

5

g. Apply a coat of primer to outside of shell and inside of cup (2). Allow 3 to 5 minutes to dry.



Sealing Compound, MIL-R-46082, Type 3

6

NOTE

Make sure sealing compound does not cover bottom of cup, which could prevent free movement of thread insert when installed over shell.

h. Apply a coat of sealing compound to outside of shell and inside of cup (2).

i. Position cup (2) over shell and twist back and forth to make sure sealing compound completely covers surface.

j. Wipe away excess sealing compound.

k. Position a wooden block across cup (2) and shell next to cup (2). Hold in place with a C-clamp.

l. Loosen bolt to make sure thread insert moves freely, then handtighten bolt.

m. Allow 24 hours to dry, then remove bolt with washers.

n. Install access cover per applicable substep below:

(1) No. 1 Fuel Tank Access Cover F/A-18A (WP003 00).

(2) No. 1 Fuel Tank Access Cover F/A-18B (WP004 00).

(3) No. 2 Fuel Tank Access Cover (WP005 00).

(4) No. 3 Fuel Tank Access Cover (WP006 00).

(5) No. 4 Fuel Tank Forward Access Cover (WP007 00).

(6) No. 4 Fuel Tank Aft Access Cover (WP008 00).

(7) Vent Tank Access Cover (WP009 00).

5. HELICOIL REPAIR.

Support Equipment Required

None

Materials Required

Specification or Part Number	Nomenclature
MS21209F4-15L (CAGE 96906)	Helicoil Insert

6. REMOVAL.

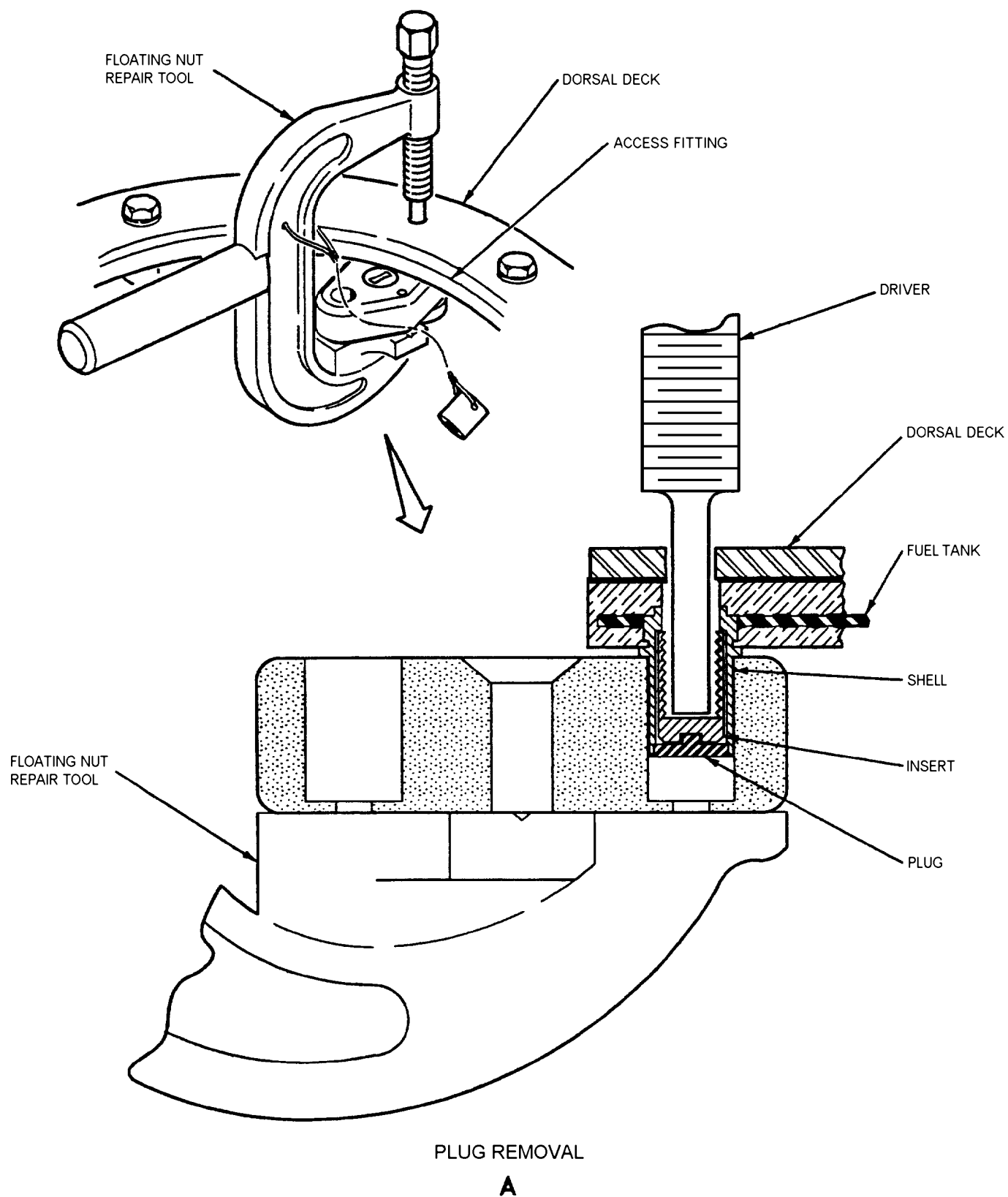
a. Working through the applicable floating nut hole of tank access fitting and dorsal deck, carefully lift the end of the helicoil with an awl or pick then grip and pull with a needle nose pliers to remove helicoil.

7. INSTALLATION.

a. Install new helicoil (1, figure 1) per NAVAIR 01-1A-8.

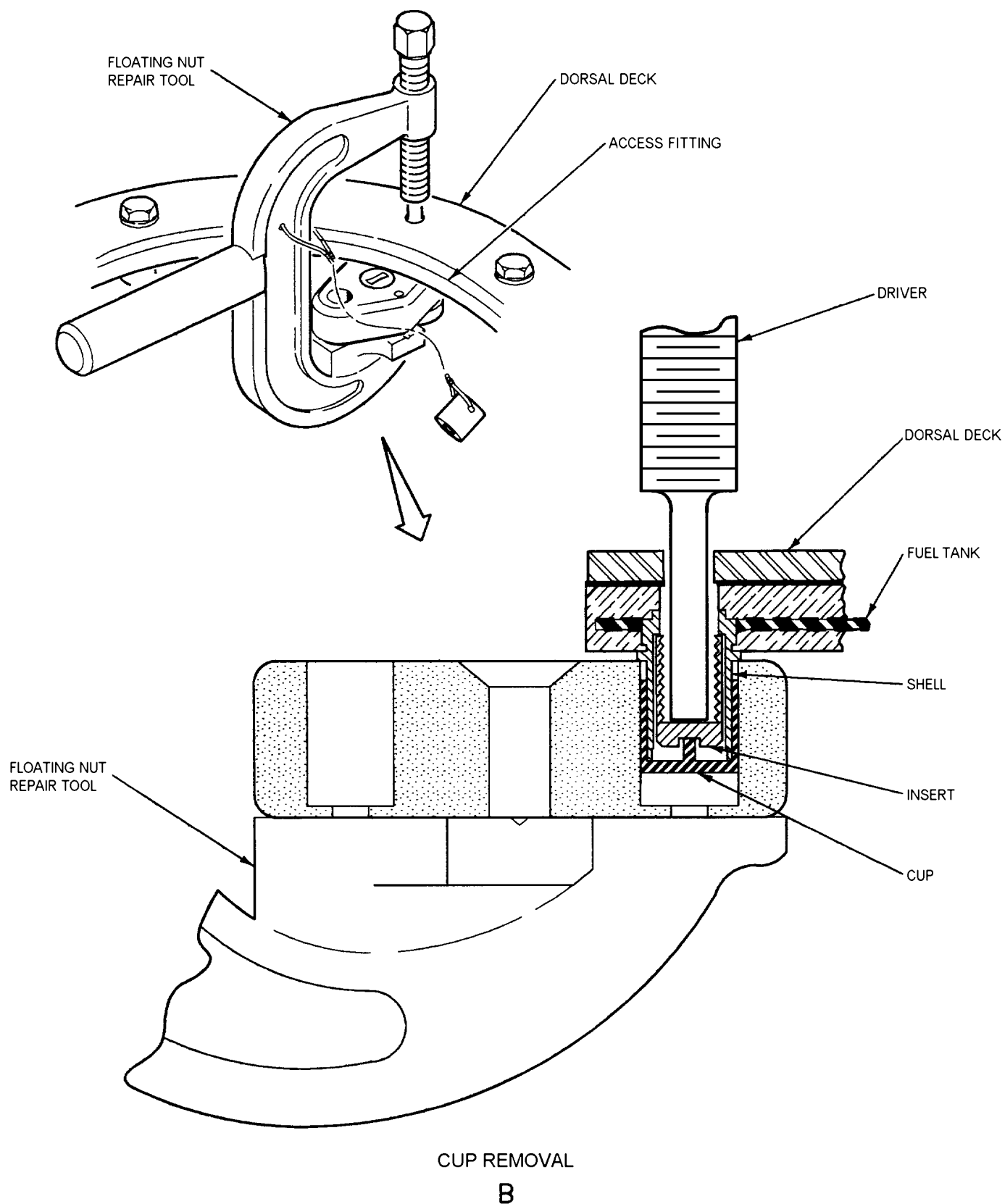
8. ILLUSTRATED PARTS BREAKDOWN.

9. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



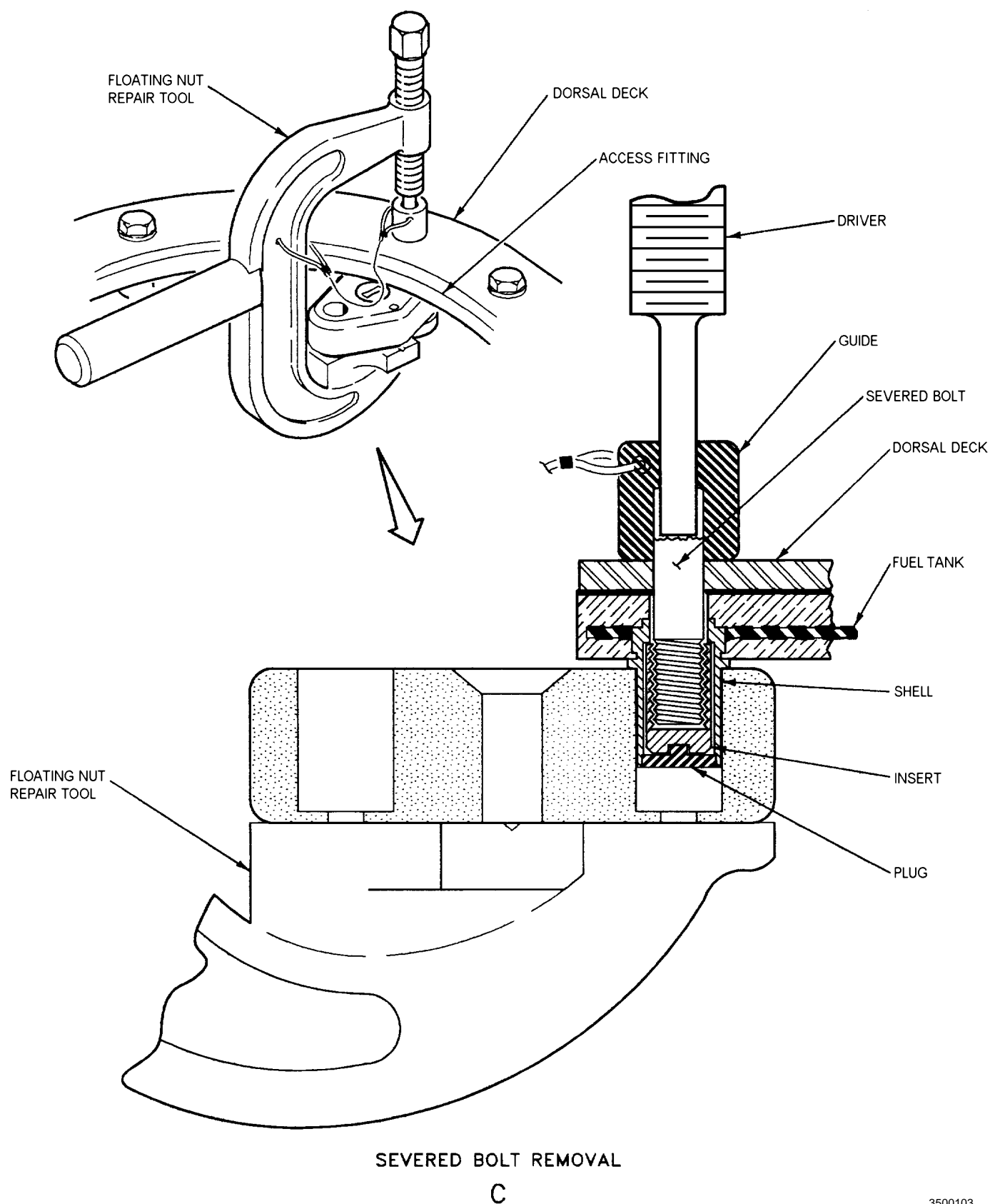
3500101

Figure 1. Fuel Tank Access Fitting Floating Nut Repair (Sheet 1)



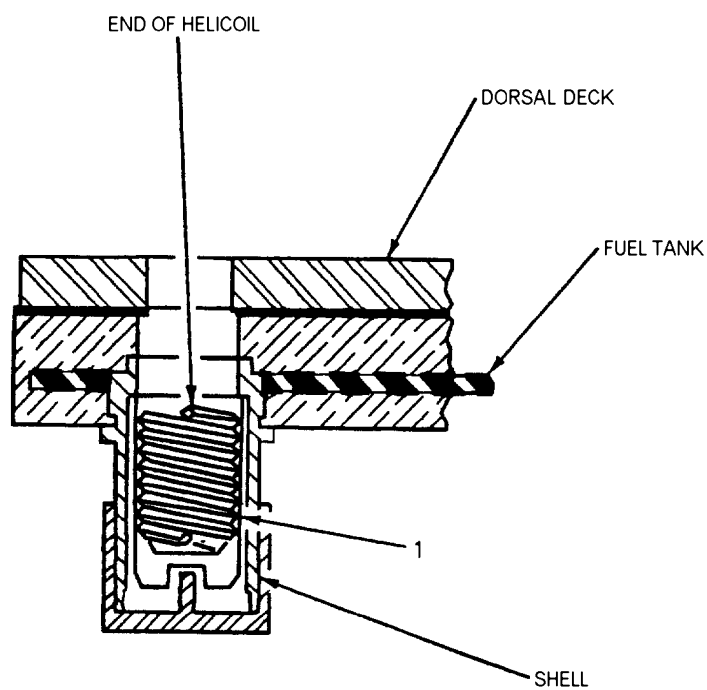
3500102

Figure 1. Fuel Tank Access Fitting Floating Nut Repair (Sheet 2)



3500103

Figure 1. Fuel Tank Access Fitting Floating Nut Repair (Sheet 3)



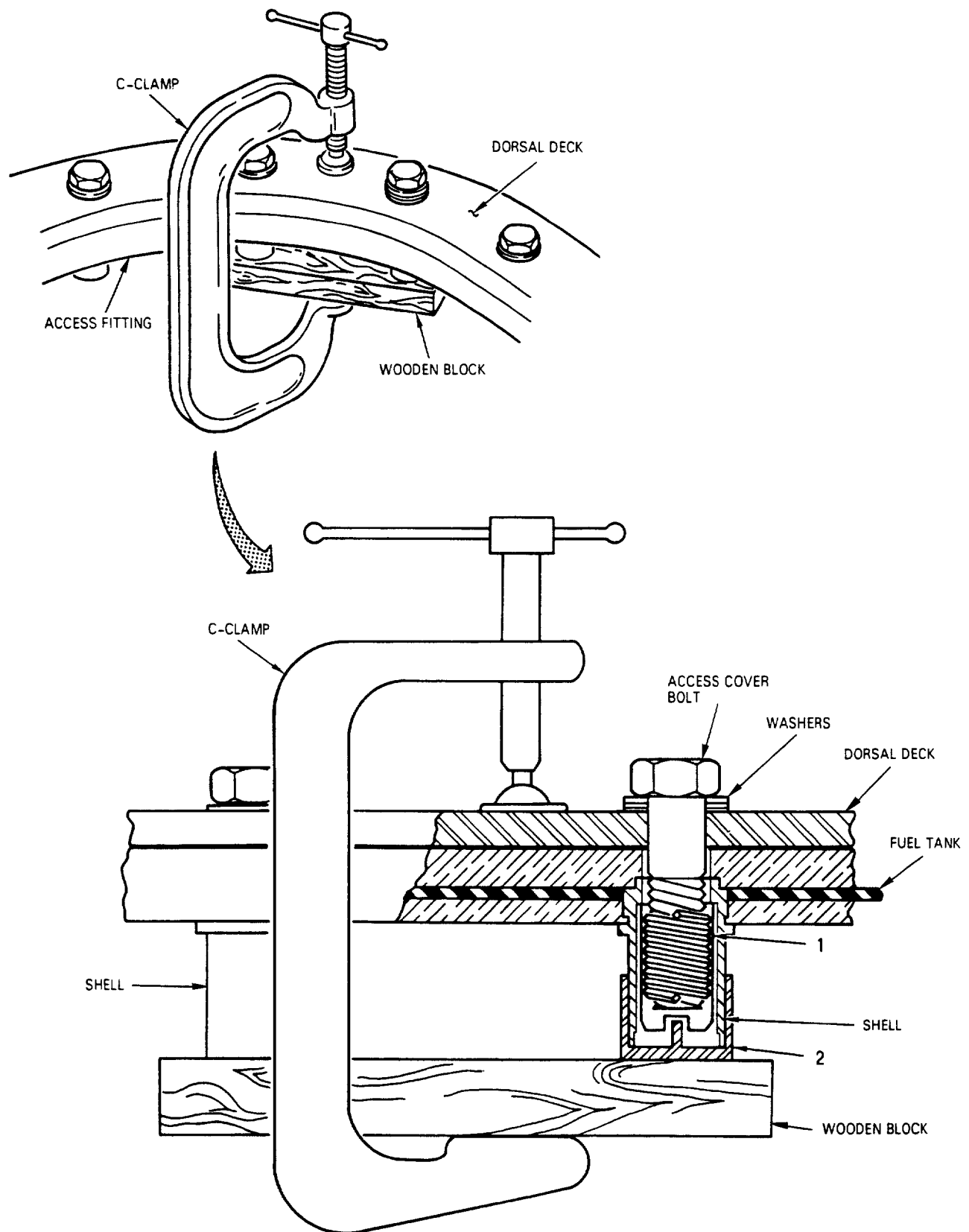
HELICOIL REPAIR

D

Figure 1. Fuel Tank Access Fitting Floating Nut Repair (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		FUEL TANK ACCESS FITTING, FLOATING NUT.									
		REPAIR									
1	MS21209F4-15L	.	INSERT (HELICAL)						AR		PAOZZ

Figure 1. Fuel Tank Access Fitting Floating Nut Repair (Sheet 5)



3500201

Figure 2. Fuel Tank Access Fitting Floating Nut Repair-Installation (Sheet 1)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		FUEL TANK ACCESS FITTING, FLOATING NUT.									
		REPAIR - INSTALLATION									
1	100-40-2	.							AR		PAOZZ
2	100-42	.							AR		PAOZZ

Figure 2. Fuel Tank Access Fitting Floating Nut Repair-Installation (Sheet 2)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
NO. 2 AND NO. 3 FUEL TANK BACKING BOARDS
FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00

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Removal	2
Support Equipment Required	1

Record of Applicable Technical Directives

None

Support Equipment Required

None

Materials Required (Cont)

Materials Required		Specification or Part Number	Nomenclature
Specification or Part Number	Nomenclature		
-	Brush, 1/4 Inch (Paint Type)	8544-2.000 Black (CAGE 04963)	Tape, Pressure Sensitive
822X326 (CAGE 96595)	Polyurethane Coating Color 36231	TT-I-735 (CAGE 81348)	Isopropyl Alcohol

1. REMOVAL.

a. Observe applicable fuel tank maintenance precaution (WP013 00).

b. Remove fuel soaked or damaged backing boards.

c. If applicable turn on exhaust blower and position duct in cavity.



Isopropyl Alcohol, TT-I-735

2

d. If applicable scrape off excess material then wipe clean with cheesecloth moistened with isopropyl alcohol.

2. INSTALLATION.

a. Observe applicable fuel tank maintenance precautions (WP013 00).

b. Position required backing boards (figure 2 or 3) in correct alignment to structure. Trim edges of backing boards, as required, to fit structure, (figure 1).



Polyurethane Coating Color 36231, 822X326

7

c. Coat trimmed edges of backing boards (figure 1) with polyurethane then allow to dry.

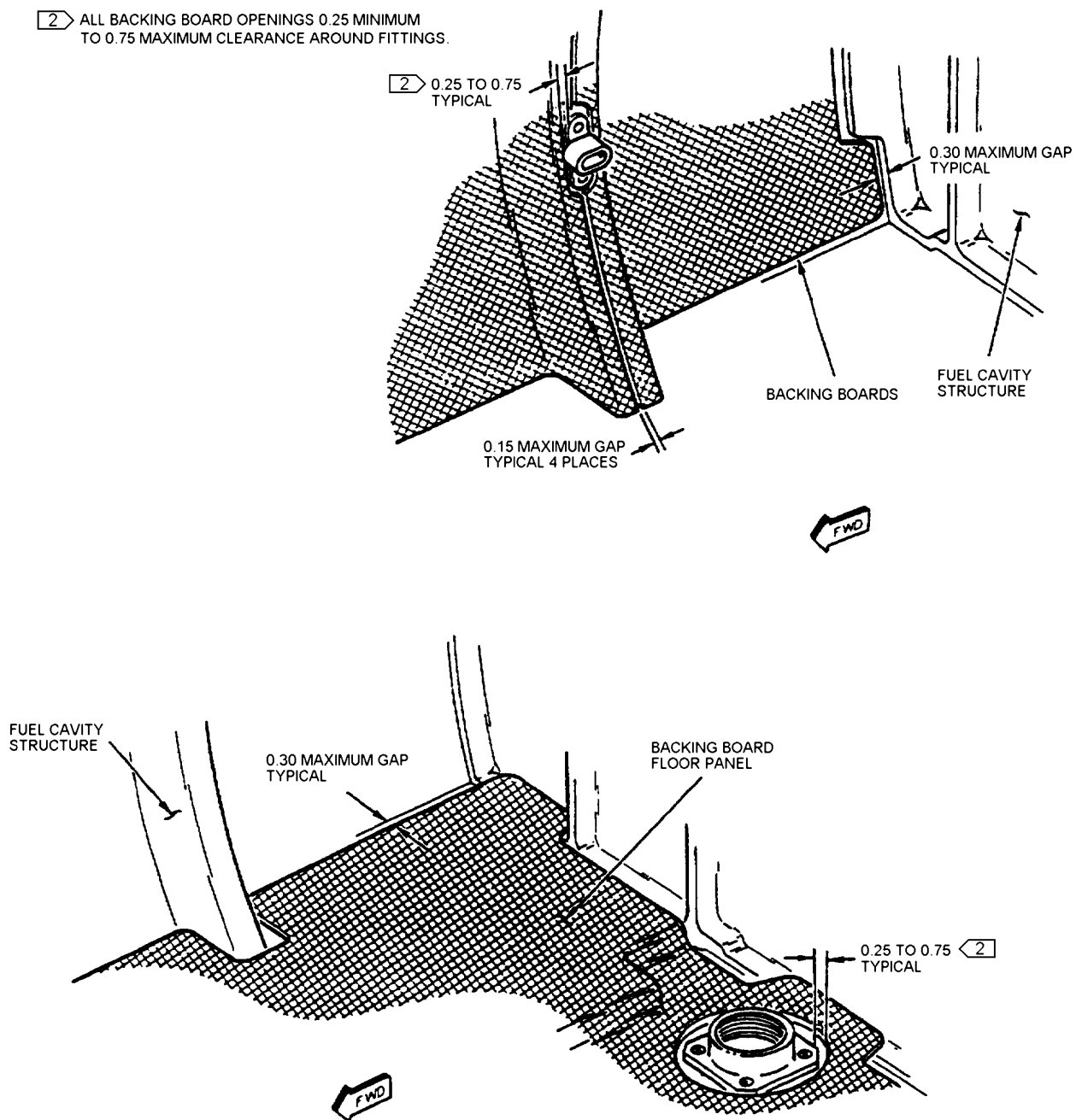
d. Install and secure backing board to mating surface of fuel cavity using enough tape to hold backing in place.

3. ILLUSTRATED PARTS BREAKDOWN.

4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

LEGEND

1. ALL DIMENSIONS IN INCHES.

2. ALL BACKING BOARD OPENINGS 0.25 MINIMUM
TO 0.75 MAXIMUM CLEARANCE AROUND FITTINGS.

3501001

Figure 1. Preparation

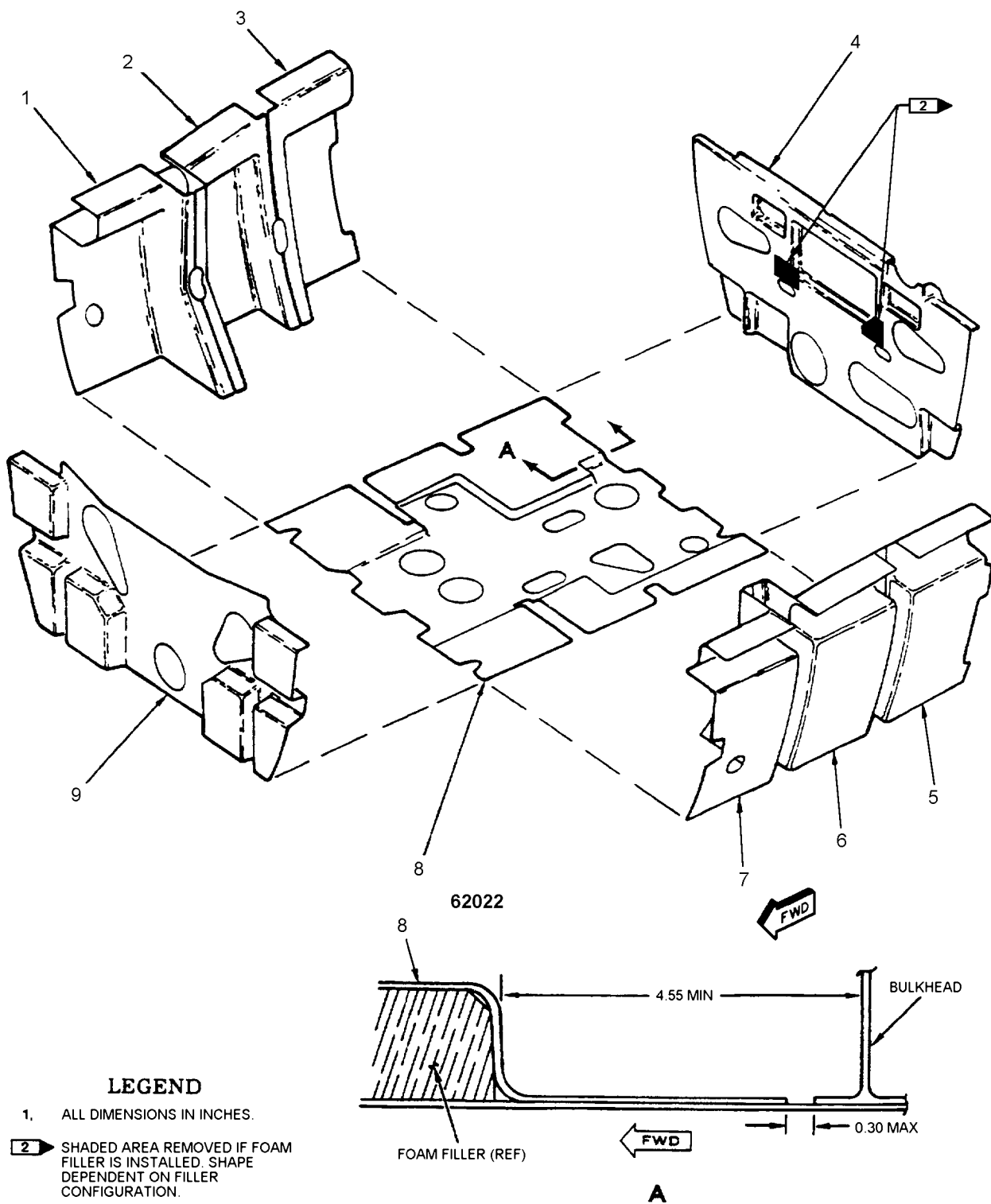


Figure 2. No. 2 Fuel Tank Backing Boards (Sheet 1)

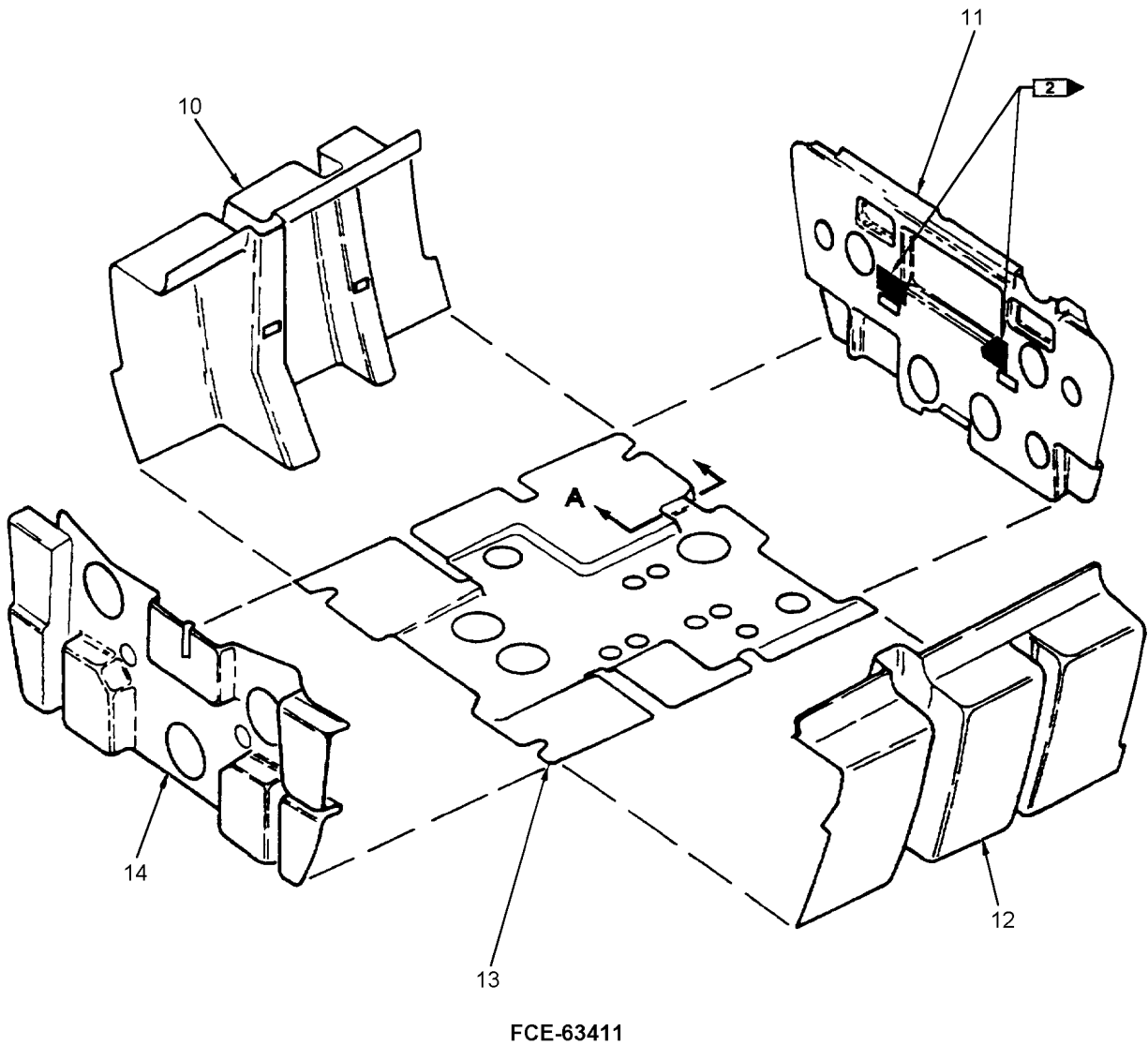


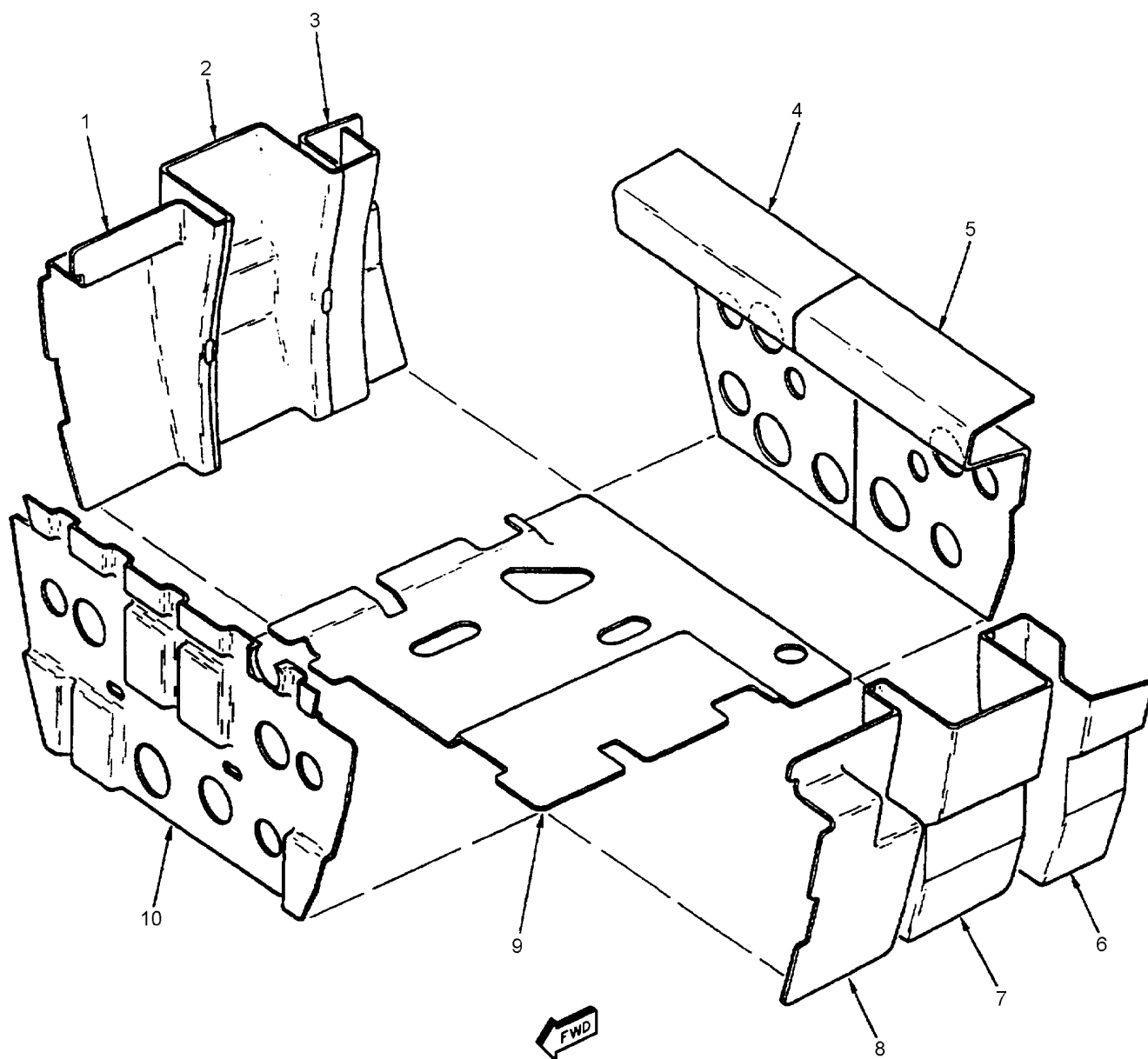
Figure 2. No. 2 Fuel Tank Backing Boards (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 2 FUEL TANK BACKING BOARDS			
1	62022-15#	. BOARD, BACKING RH SIDE, FWD PANEL (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
2	62022-13#	. BOARD, BACKING RH SIDE, MID PANEL (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
3	62022-11#	. BOARD, BACKING RH SIDE, AFT PANEL (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
4	62022-3#	. BOARD, BACKING AFT PANEL BHD, Y419 (05476) (MCDONNELL SPEC 74-580162-205)	1	A	PAOZZ
	62022-19	. BOARD, BACKING, AFT PANEL BHD, Y419 (05476) (MCDONNELL SPEC 74-580162-205)	1	B	PAOZZ
5	62022-5#	. BOARD, BACKING LH SIDE, AFT PANEL (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
6	62022-7#	. BOARD, BACKING LH SIDE, MID-PANEL (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
7	62022-9#	. BOARD, BACKING LH SIDE, FWD PANEL (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
8	62022-23#	. BOARD, BACKING LWR FLOOR PANEL (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
	62022-17	. SEE ABOVE (REPLACED BY 62022-21) (USE UNTIL EXHAUSTED)	1	A	PAOZZ
	62022-21	. SEE ABOVE (REPLACES 62022-17)	1	B	PAOZZ
9	62022-1#	. BOARD, BACKING FWD PANEL BHD, Y383 (05476) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
10	FCE-63411-4#	. BOARD, BACKING RH SIDE (00333) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
11	FCE-63411-2#	. BOARD, BACKING AFT PANEL BHD, Y419 (00333) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
12	FCE-63411-5#	. BOARD, BACKING LH SIDE (00333) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
13	FCE-63411-1#	. BOARD, BACKING FLOOR (00333) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ
14	FCE-63411-3 #	. BOARD, BACKING FWD PANEL BHD Y383 (00333) (MCDONNELL SPEC 74-580162-205)	1		PAOZZ

AMFUEL OR UNIROYAL INDIVIDUAL
BACKING BOARDS MUST BE REPLACED
BY SAME MANUFACTURERS PART.
COMPLETE SETS OF AMFUEL OR
UNIROYAL BACKING BOARDS MAY
BE USED WITH EITHER AMFUEL
OR UNIROYAL TANKS

CODE	USABLE ON	MODEL
A	161353 THRU 161761	F/A-18A/B
B	161924 & UP	F/A-18A/B

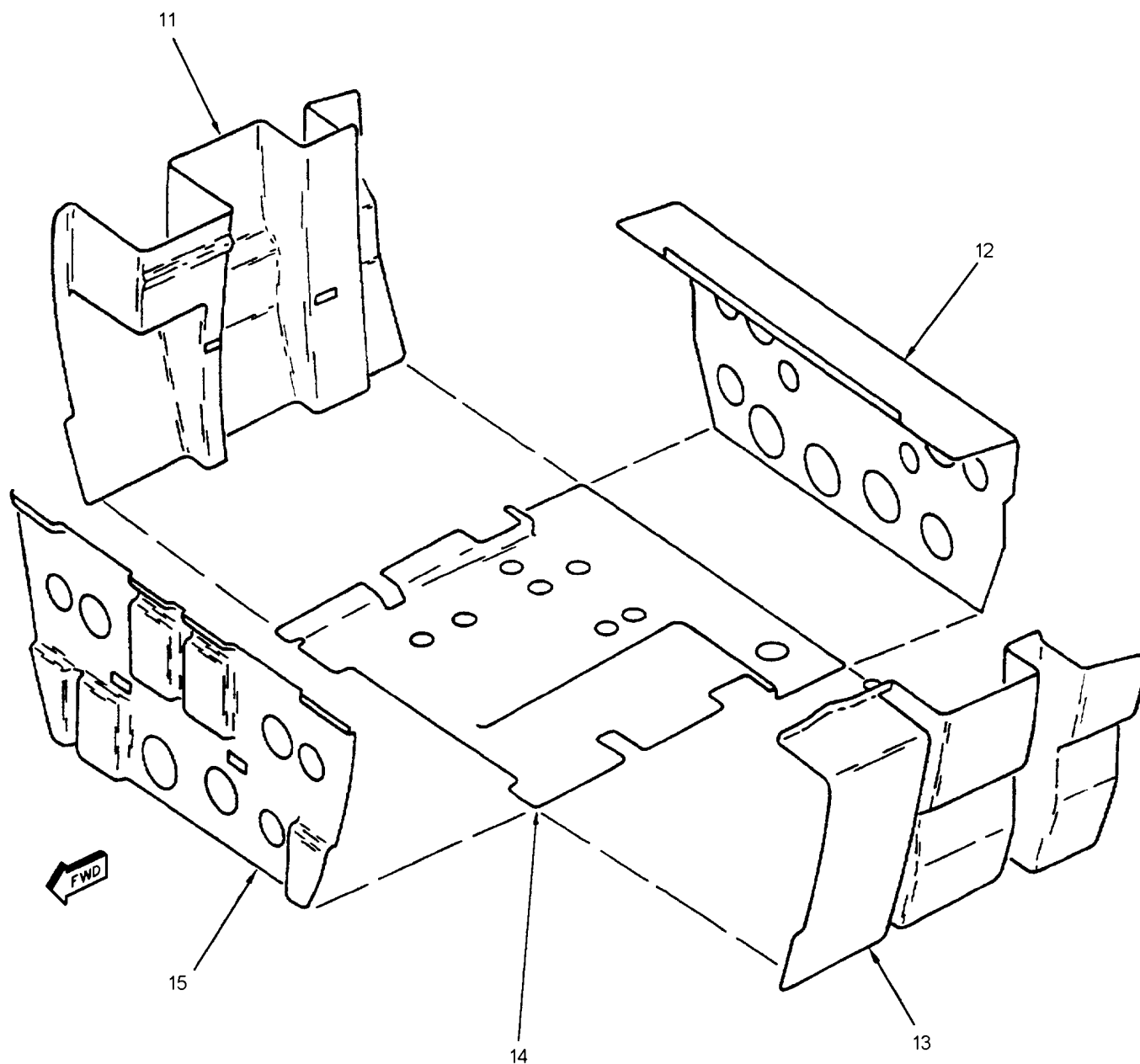
Figure 2. No. 2 Fuel Tank Backing Boards (Sheet 3)



62023

35010301

Figure 3. No. 3 Fuel Tank Backing Boards (Sheet 1)



FCE-63412

35010302

Figure 3. No. 3 Fuel Tank Backing Boards (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 3 FUEL TANK BACKING BOARDS.			
1	62023-13#	. BOARD, BACKING FWD RH SIDE (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
2	62023-15#	. BOARD, BACKING CTR RH SIDE (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
	362023-17#	. BOARD, BACKING AFT RH SIDE (05476) (MCDONNELL SPEC 74 580162-213)	1		PAOZZ
4	62023-23#	. BOARD, BACKING AFT RH, Y453 (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
5	62023-21#	. BOARD, BACKING AFT LH, Y453 (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
6	62023-11#	. BOARD, BACKING AFT LH SIDE (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
7	62023-9#	. BOARD, BACKING CTR LH SIDE (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
8	62023-7#	. BOARD, BACKING FWD LH SIDE (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
9	62023-19#	. BOARD, BACKING FLOOR (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
10	62023-1#	. BOARD, BACKING FWD, Y419 (05476) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
11	FCE-63412-5#	. BOARD, BACKING RH SIDE (00333) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
12	FCE-63412-2#	. BOARD, BACKING AFT BHD, Y453 (00333) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
13	FCE-63412-4#	. BOARD, BACKING LH SIDE (00333) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
14	FCE-63412-1#	. BOARD, BACKING FLOOR (00333) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ
15	FCE-63412-3#	. BOARD, BACKING FWD BHD, Y419 (00333) (MCDONNELL SPEC 74-580162-213)	1		PAOZZ

AMFUEL OR UNIROYAL INDIVIDUAL
BACKING BOARDS MUST BE REPLACED
BY SAME MANUFACTURES PART.
COMPLETE SETS OF AMFUEL OR
UNIROYAL BACKING OARDS MAY
BE USED WITH EITHER AMFUEL
OR UNIROYAL TANKS

Figure 3. No. 3 Fuel Tank Backing Boards (Sheet 3)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
FUEL TANK ACCESS FITTING DOME NUT REPLACEMENT
FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Line Maintenance Procedures	A1-F18AC-LMM-000

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Record of Applicable Technical Directives








Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA- F/A-18-00072C1)	15 Oct 86	-

1. DOME NUT REPLACEMENT.



Support Equipment Required

Part Number or Type Designation	Nomenclature
SK-D3200	Dome Nut Replacement Tool Set, Fuel Cell
-	Torque Wrench, 0 - 150 Inch-Pounds

Materials Required

Specification or Part Number	Nomenclature
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
301 (CAGE 97327)	Cheesecloth
MIL-R-46082, TY3 (CAGE 80244)	Sealing Compound
MIL-S-22473, Grade N, Form R (CAGE 81349)	Primer, Sealing Compound
-	#500 Emery Cloth
MS20995NC32 (CAGE 96906)	Lockwire
100-45 (CAGE 05476)	Dome Nut, Replacement
MS29513-391	Packing (F/A-18A, Tank 1)
MS29512-10	Packing 
NAS1623C16F	Packing 
MS29513-222	Packing 
MS29513-116	Packing 
M25988/2-116	Packing 
MS29513-385	Packing (Tank 2, 3 or 4)
VV-P-236 (CAGE 81348)	Petrolatum, Technical
 F/A-18A, Tank No. 1, 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39.	
 F/A-18B, Tank No. 1, 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39.	

Materials Required (Cont)

Specification or Part Number	Nomenclature
 F/A-18A/B, Tank No. 1, 161353 THRU 161519 BEFORE F/A-18 AFC 39.	
 F/A-18A/B, Tank No. 1, 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39	

NOTE

This procedure installs an oversized dome nut when original dome nut becomes displaced from fuel tank access fitting.

a. Do general preparation for removal (WP013 00).

b. Separate fuel tank access fitting from dorsal deck by completing applicable substeps below:

(1) On F/A-18A, 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39, to separate No. 1 Fuel Tank Access Fitting from dorsal deck, do substeps below:

(a) Disconnect connector (9, figure 2).

(b) Remove coupling (8), then disconnect wires at connector (6) and remove connector (6) (A1-F18AC-WRM-000).



To prevent damage to wires, carefully slide wires through elbow.

(c) Disconnect adapter (12) from elbow (5) and remove elbow (5).

(d) Remove screws (10, detail A) or bolts (11, detail A), and bolts (1, 2 and 4) with washers and packing (3).

(2) On F/A-18A, 161353 THRU 161519 BEFORE F/A-18 AFC 39, to separate No. 1 Fuel Tank Access Fitting from dorsal deck, do substeps below:

(a) Disconnect connector (14, figure 2).

(b) Remove lockwire, jamnut and key-washer from connector (17).

(c) Remove bolts (13 and 15) with washers.

(d) Remove bolts (1, 2 and 4) with washers and packing (3).

(3) On F/A-18B, 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39, to separate No. 1 Fuel Tank Access Fitting from dorsal deck, do substeps below:

(a) Disconnect connector (26, figure 2).

(b) Remove coupling (25), then disconnect wires at connector (23) and remove connector (23) (A1-F18AC-WRM-000).



To prevent damage to wires, carefully slide wires through elbow.

(c) Disconnect adapter (31) from elbow (22) and remove elbow (22).

(d) Remove bolts (21) with washers.

(4) On F/A-18B, 161354 THRU 161360 BEFORE F/A-18 AFC 39, to separate No. 1 Fuel Tank Access Fitting from dorsal deck, do substeps below:

(a) Disconnect connector (27, figure 2).

(b) Remove lockwire, jamnut and keywasher from connector (29).

(c) Remove bolts (21) with washers.

(5) To separate No. 2 Fuel Tank Access Fitting from dorsal deck, remove bolts (34, figure 2) with washers and packing (35).

(6) To separate No. 3 Fuel Tank Access Fitting from dorsal deck, remove bolts (36, figure 2) with washers and packing (37).

(7) To separate No. 4 Fuel Tank Forward Access Fitting from dorsal deck, remove bolts (38, figure 2) with washers and packing (39).

(8) To separate No. 4 Fuel Tank Aft Access Fitting from dorsal deck, remove bolts (40, figure 2) with washers and packing (41).

c. Locate dome nut receptacle where dome nut has been displaced and align applicable drill guide so center hole in drill guide is located directly under displaced dome nut receptacle (figure 1, sheet 1).

d. Attach drill guide to access fitting using C-clamps.

e. Install counterbore stop on counterbore to attain a distance of 1.18 inch from leading edge of counterbore cutter to leading edge of counterbore stop.



To prevent damage to fuel system, use caution to prevent metal shavings from contaminating fuel cell.

f. Counterbore dome nut receptacle through center hole of drill guide.

g. Remove drill guide and C-clamps from fuel tank access fitting.

h. Remove burrs and smooth rough edges on dome nut receptacle with emery cloth. Remove any metal shavings from fuel cell.



Isopropyl Alcohol, TT-I-735

2

i. Using a clean cheesecloth moistened in isopropyl alcohol, remove contaminants from surfaces of dome nut flange and dome nut receptacle (sheet 2).

j. Using clean, dry cheesecloth, wipe dome nut and dome nut receptacle dry.



Primer, Sealing Compound, MIL-S-22473, Grade N, Form R

5

k. Apply primer to dome nut flange and dome nut receptacle. Allow 3 to 5 minutes to dry.

l. Prepare the press assembly by installing spacer and bolting ring guide into their mounts on the press assembly.



Sealing Compound, MIL-R-46082, Type 3

6



To prevent damage to dome nut, make sure sealing compound does not enter fastener hole of dome nut.

m. Apply sealing compound to dome nut flange and dome nut receptacle.

n. Position the press assembly on the fuel tank access fitting by installing bolting ring guide into dome nut receptacle on top of access fitting.

NOTE

The following steps require two maintenance personnel, one to operate the hand pump, and one to position the press assembly.

o. Insert dome nut (1) into dome nut receptacle while holding dome nut guide under dome nut.

p. Operate hand pump to close the press assembly slowly, while adjusting the press assembly to align the spacer with the dome nut guide.

q. When spacer and dome nut guide have made contact and are aligned, pressurize the press assembly to a gauge reading of 9600 psi to make sure dome nut is seated.

r. Remove press assembly and dome nut guide from fuel tank access fitting.

s. Wipe away excess sealing compound from dome nut and fuel tank access fitting and allow 24 hours to dry.

t. Attach fuel tank access fitting to dorsal deck by completing applicable substep below:

(1) On F/A-18A, 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39, if No. 1 Fuel Tank Access Fitting was separated from dorsal deck, do substeps below:

(a) Install bolts (1 and 4, figure 2) with washers and install screws (10, detail A) or bolts (11, detail A).

(b) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).



Adhesive, MIL-A-46106, Type 1

10

(c) Lubricate new packings with petrolatum.

(d) Install packing (3) and bolts (2) with washers.

(e) Install packings (19 and 20) and push wires through adapter (12) and elbow (5) separately.



When installing new adapter, lubricate thread patch with thin coat of petrolatum to prevent thread galling.

(f) Install elbow (5) and adapter (12). Torque elbow (18) and adapter (12) 70 to 90 inch pounds. (QA)

(g) Connect wires to connector (6) (A1-F18AC-WRM-000). (See sheet 4 for wiring hookup schematic.)

(h) Install packing (7), connector (6) and coupling (8).

(i) Connect connector (9).

(j) Install No. 1 Fuel Tank Access Cover (WP003 00).

(k) Connect Emergency and Utility Batteries (WP013 00).

(l) Remove no power tag from external power receptacle.

(m) Do Internal Fuel Transfer and Engine Fuel Supply System Test (A1-F18AC-460-200, WP012 00).

(2) On F/A-18A, 161353 THRU 161519 BEFORE F/A-18 AFC 39, if No. 1 Fuel Tank Access Fitting was separated from dorsal deck, do substeps below:

(a) Install bolts (1, 4, 13 and 15, figure 2) with washers.

(b) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

(c) Lubricate new packing with petrolatum.

(d) Install packing (3) and bolts (2) with washers.

(e) Position connector (17) and install packing (16), keywasher and jamnut. Safety jamnut to bolt (15) with lockwire. (QA)

(f) Connect connector (14).

(g) Install No. 1 Fuel Tank Access Cover (WP003 00).

(h) Connect Emergency and Utility Batteries (WP013 00).

(i) Remove no power tag from external power receptacle.

(j) Refuel aircraft using electrical power (A1-F18AC-PCM-000).

(k) Set cockpit FUEL QTY selector to TRANS and check for correct No. 1 Fuel Tank fuel quantity (figure 3).

(3) On F/A-18B, 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39, if No. 1 Fuel Tank Access Fitting was separated from dorsal deck, do substeps below:

(a) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

(b) Lubricate new packings with petrolatum.

(c) Install bolts (21, figure 2) with washers.

(d) Install packings (32 and 33) and push wires through adapter (31) and elbow (22) separately.



To prevent damage to elbow when installing access cover, make sure elbow is rotated forward 19° as shown.

When installing new adapter, lubricate thread patch with thin coat of petrolatum to prevent thread galling.

(e) Install elbow (22) and adapter (31). Torque elbow (30) and adapter (31) 70 to 90 inch pounds. (QA)

(f) Connect wires to connector (23) (A1-F18AC-WRM-000). (See sheet 4 for wiring hookup schematic.)

(g) Install packing (24), connector (23) and coupling (25).

(h) Connect connector (26).

(i) Install No. 1 Fuel Tank Access Cover (WP004 00).

(j) Connect Emergency and Utility Batteries (WP013 00).

(k) Remove no power tag from external power receptacle.

(l) Do Internal Fuel Transfer and Engine Fuel Supply System Test (A1-F18AC-460-200, WP012 00).

(4) On F/A-18B, 161354 THRU 161360 BEFORE F/A-18 AFC 39, if No. 1 Fuel Tank Access Fitting was separated from dorsal deck, do substeps below:

(a) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

(b) Lubricate new packing with petrolatum.

(c) Install bolts (21, figure 2) with washers.

(d) Position connector (29) and install packing (28), keywasher and jamnut. Safety jamnut with lockwire. (QA)

(e) Connect connector (27).

(f) Install No. 1 Fuel Tank Access Cover (WP004 00).

(g) Connect Emergency and Utility Batteries (WP013 00).

(h) Remove no power tag from external power receptacle.

(i) Refuel aircraft using electrical power (A1-F18AC-PCM-000).

(j) Set cockpit FUEL QTY selector to TRANS and check for correct No. 1 Fuel Tank fuel quantity (figure 3).

(5) If No. 2 Fuel Tank Access Fitting was separated from dorsal deck, do substeps below:

(a) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

(b) Lubricate new packing (35, figure 2) with petrolatum and install packing (35) and bolts (34) with washers.

(c) Install No. 2 Fuel Tank Access Cover (WP005 00).

(6) If No. 3 Fuel Tank Access Fitting was separated from dorsal deck, do substeps below:

(a) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

(b) Lubricate new packing (37, figure 2) with petrolatum and install packing (37) and bolts (36) with washers.

(c) Install No. 3 Fuel Tank Access Cover (WP006 00).

(7) If No. 4 Fuel Tank Forward Access Fitting was separated from dorsal deck, do substeps below:

(a) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

(b) Lubricate new packing (39, figure 2) with petrolatum and install packing (39) and bolts (38) with washers.

(c) Install No. 4 Fuel Tank Forward Access Cover (WP007 00).

(8) If No. 4 Fuel Tank Aft Access Fitting was separated from dorsal deck, do substeps below:

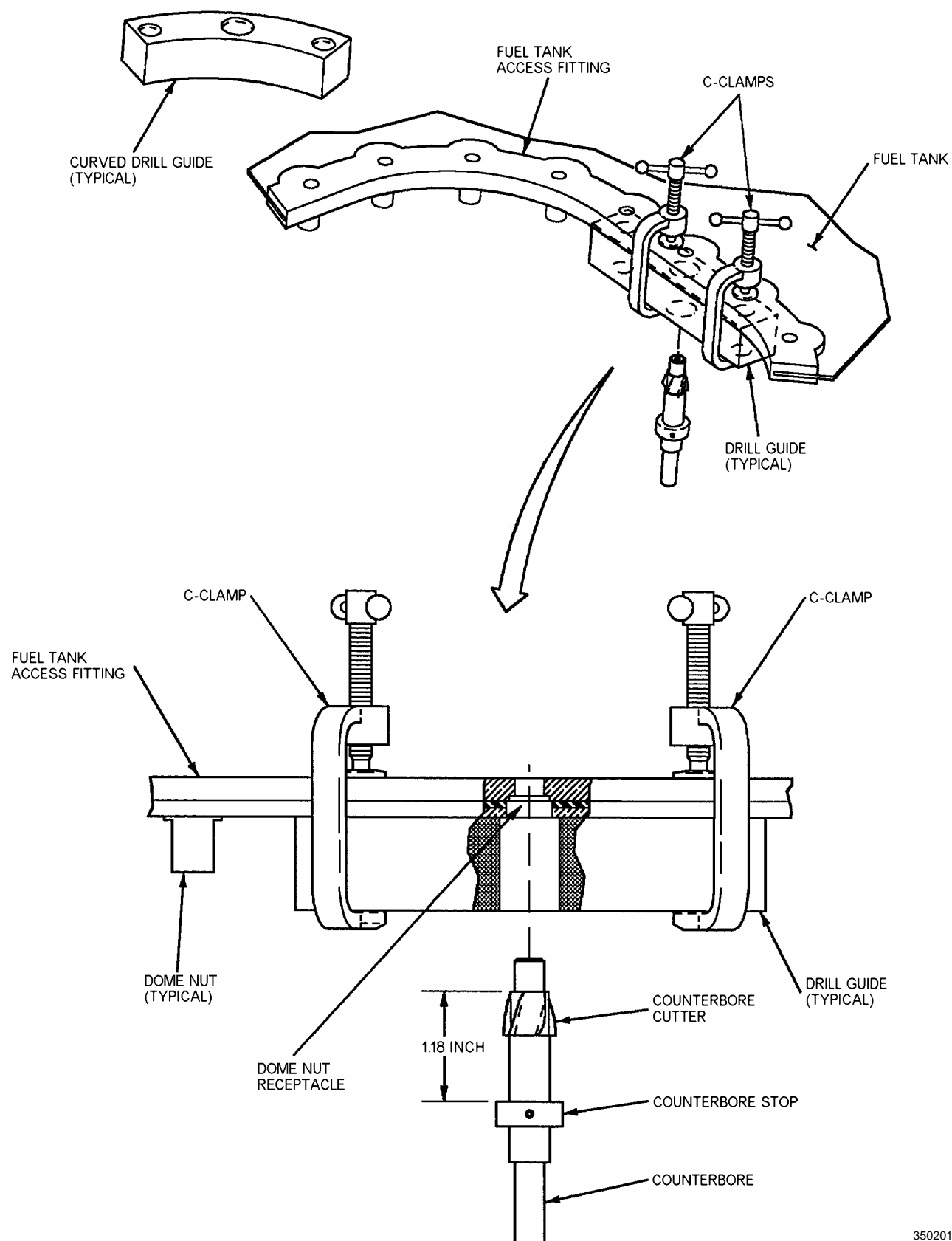
(a) Prepare mating surfaces of fuel tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

(b) Lubricate new packing (41, figure 2) with petrolatum and install packing (41) and bolts (40) with washers.

(c) Install No. 4 Fuel Tank Aft Access Cover (WP008 00).

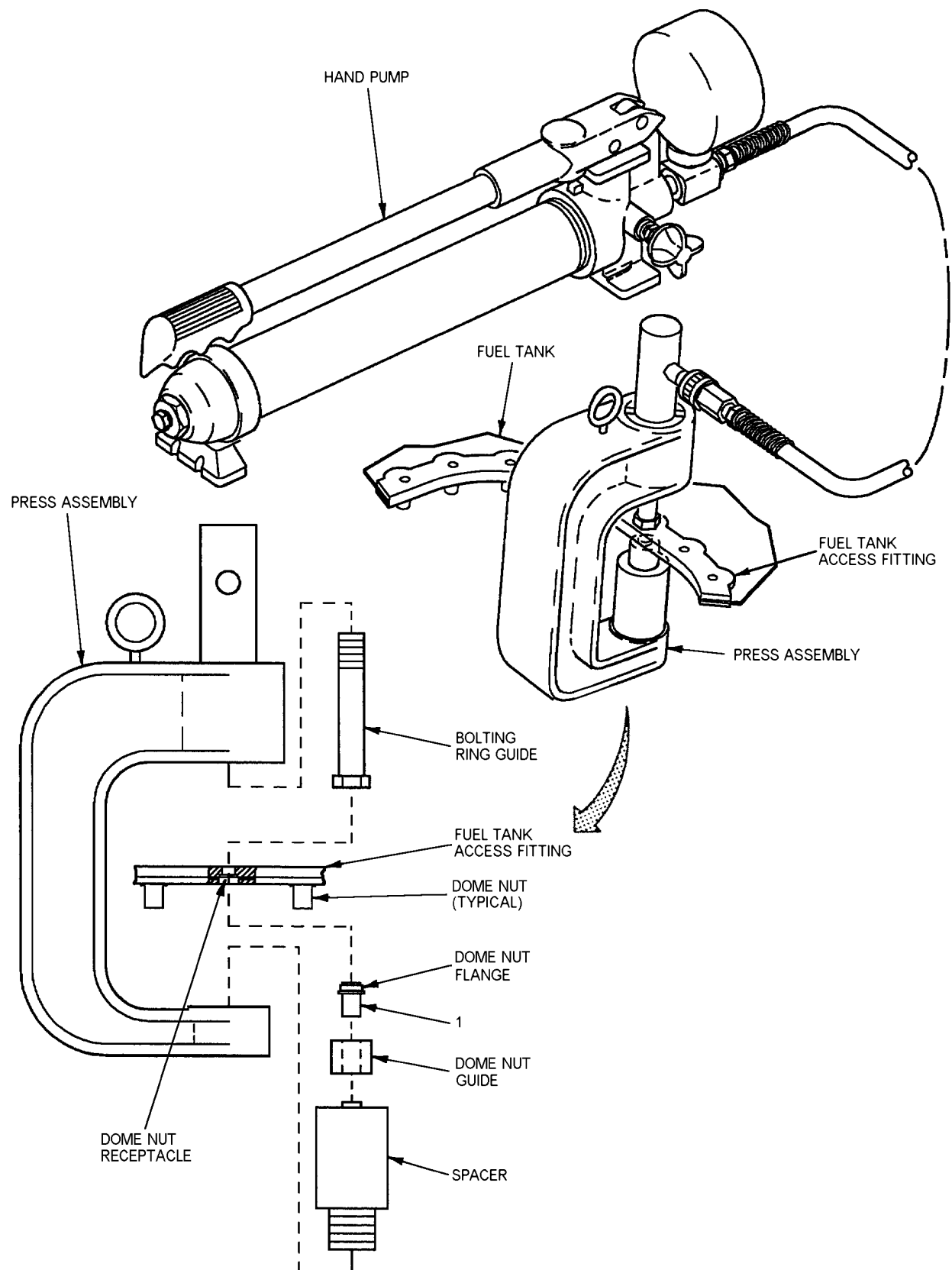
2. ILLUSTRATED PARTS BREAKDOWN.

3. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



35020101

Figure 1. Fuel Tank Access Fitting Dome Nut Replacement (Sheet 1)



35020102

Figure 1. Fuel Tank Access Fitting Dome Nut Replacement (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		FUEL TANK ACCESS FITTING DOME NUT									
		REPLACEMENT									
1	100-45	.							AR		PAOZZ
		DOME NUT, REPLACEMENT (05476)									
		(REPLACEMENT DOME NUT WITH									
		OVERSIZED COLLAR) (FOR REPAIR									
		ONLY)									

Figure 1. Fuel Tank Access Fitting Dome Nut Replacement (Sheet 3)

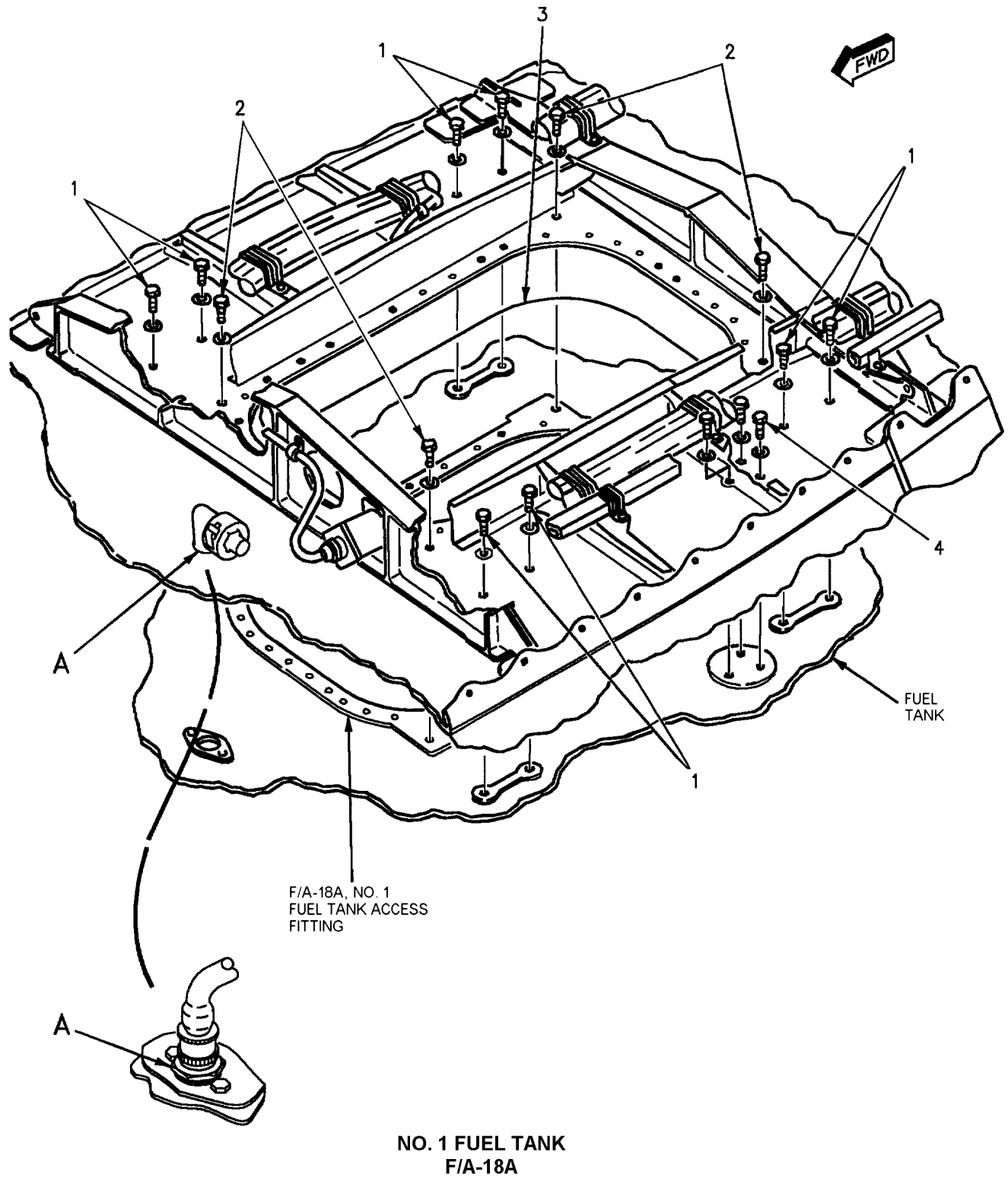
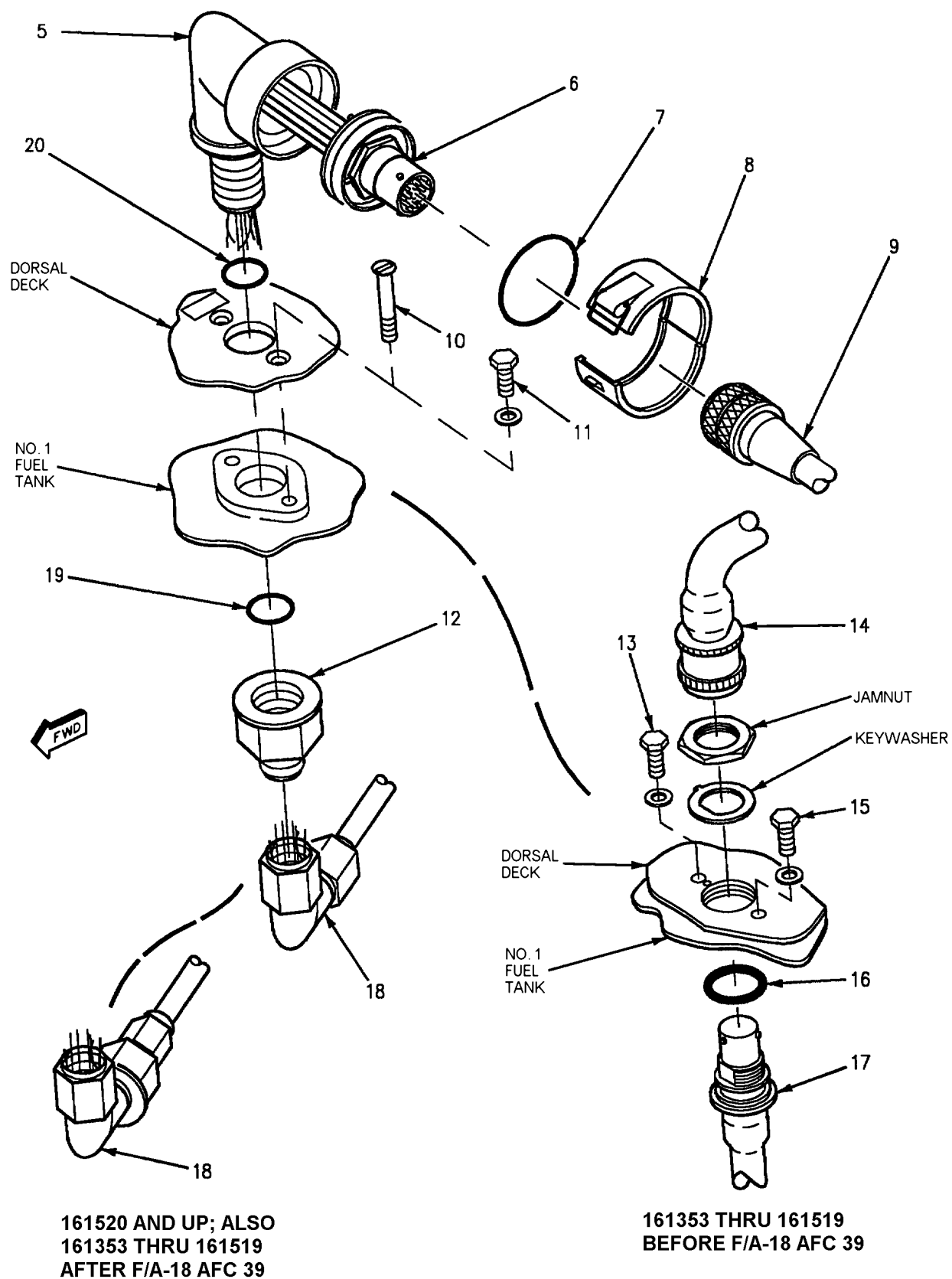
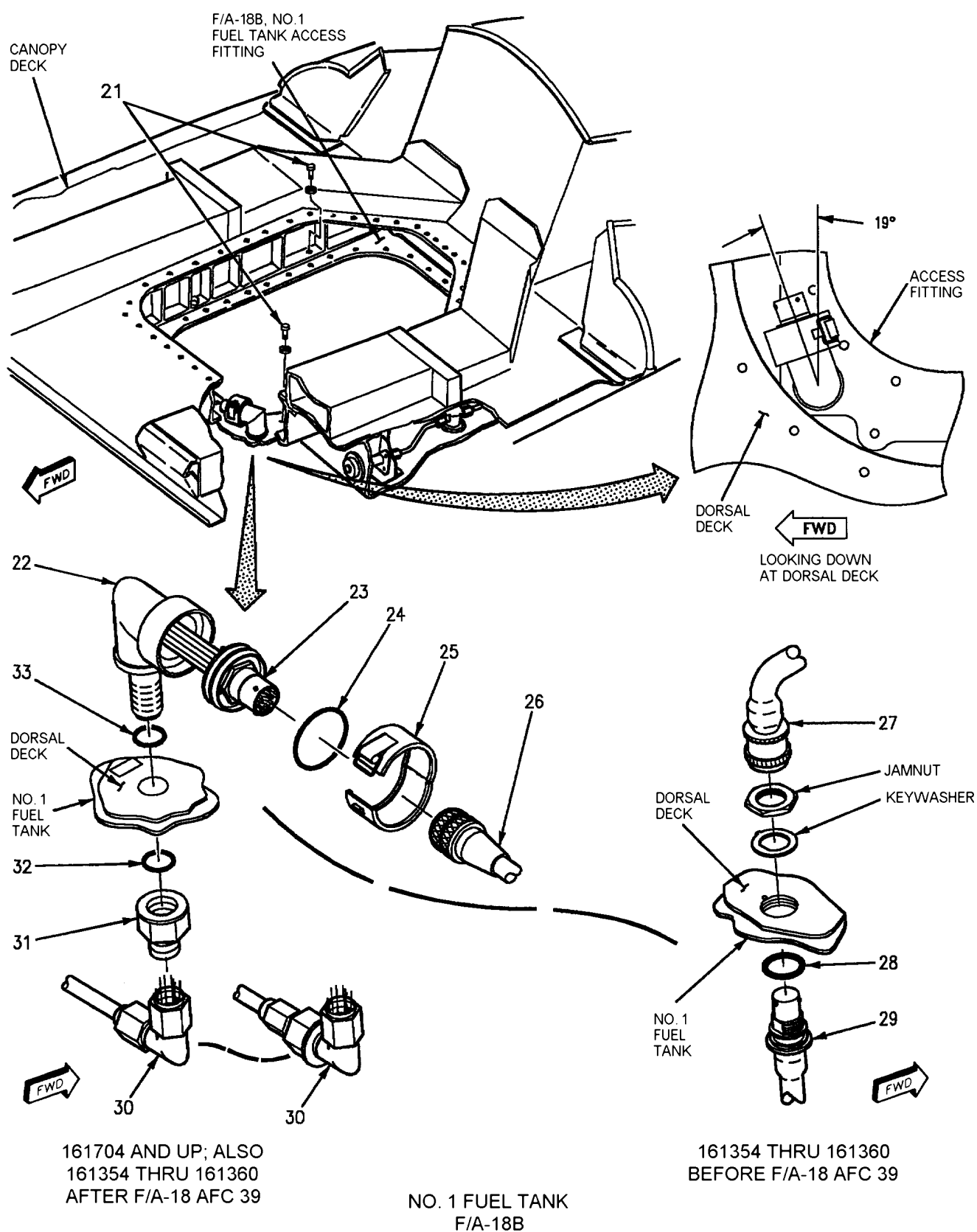


Figure 2. Fuel Tank Access Fittings (Sheet 1)



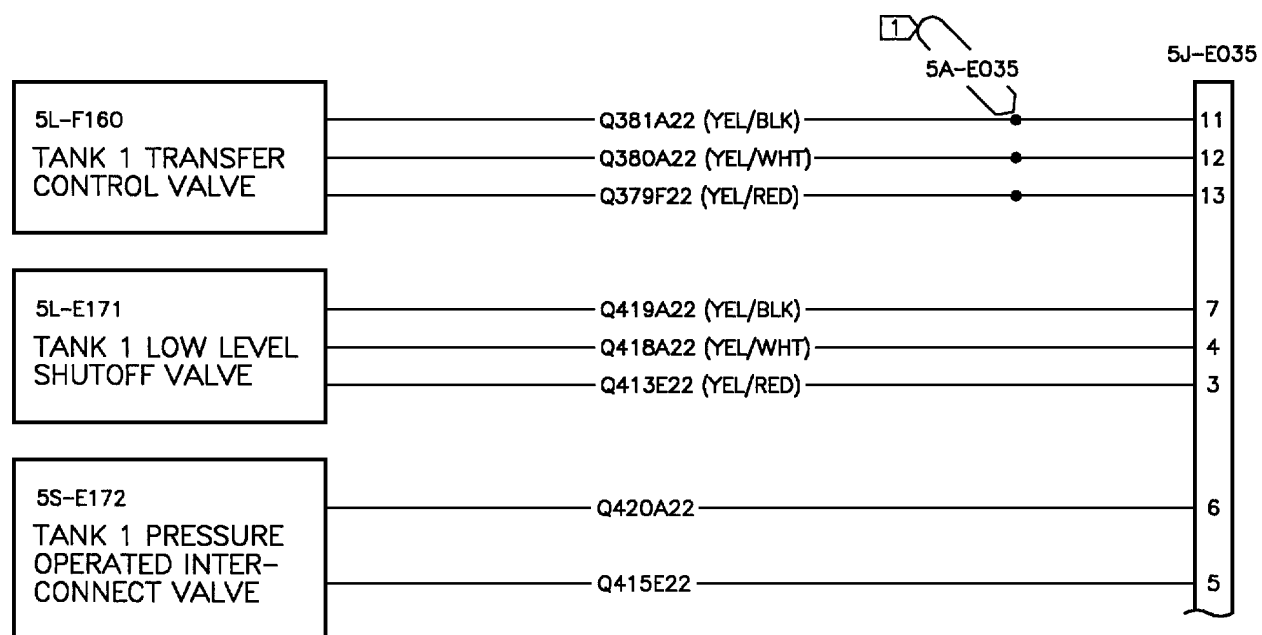
A

35020202



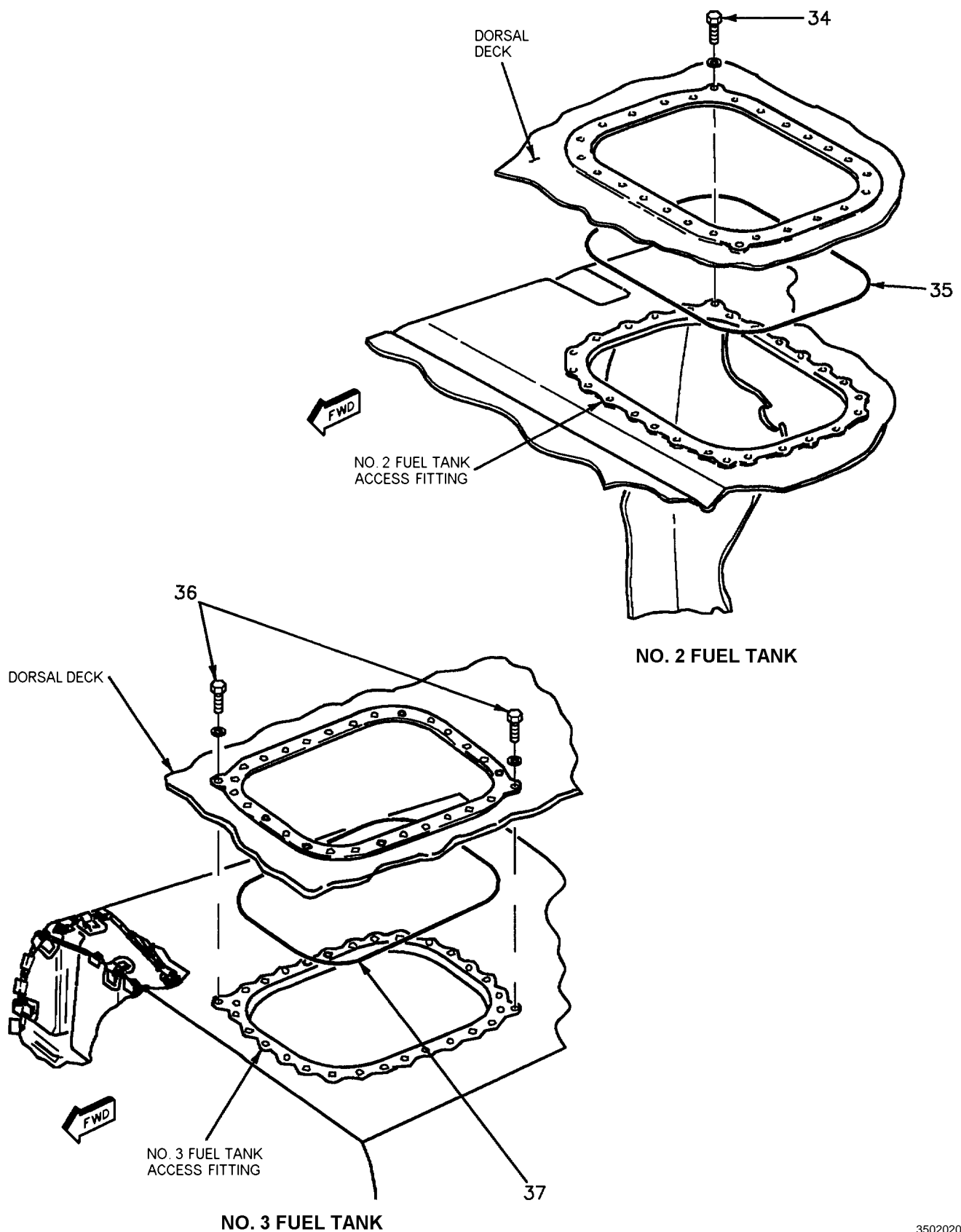
35020203

Figure 2. Fuel Tank Access Fittings (Sheet 3)



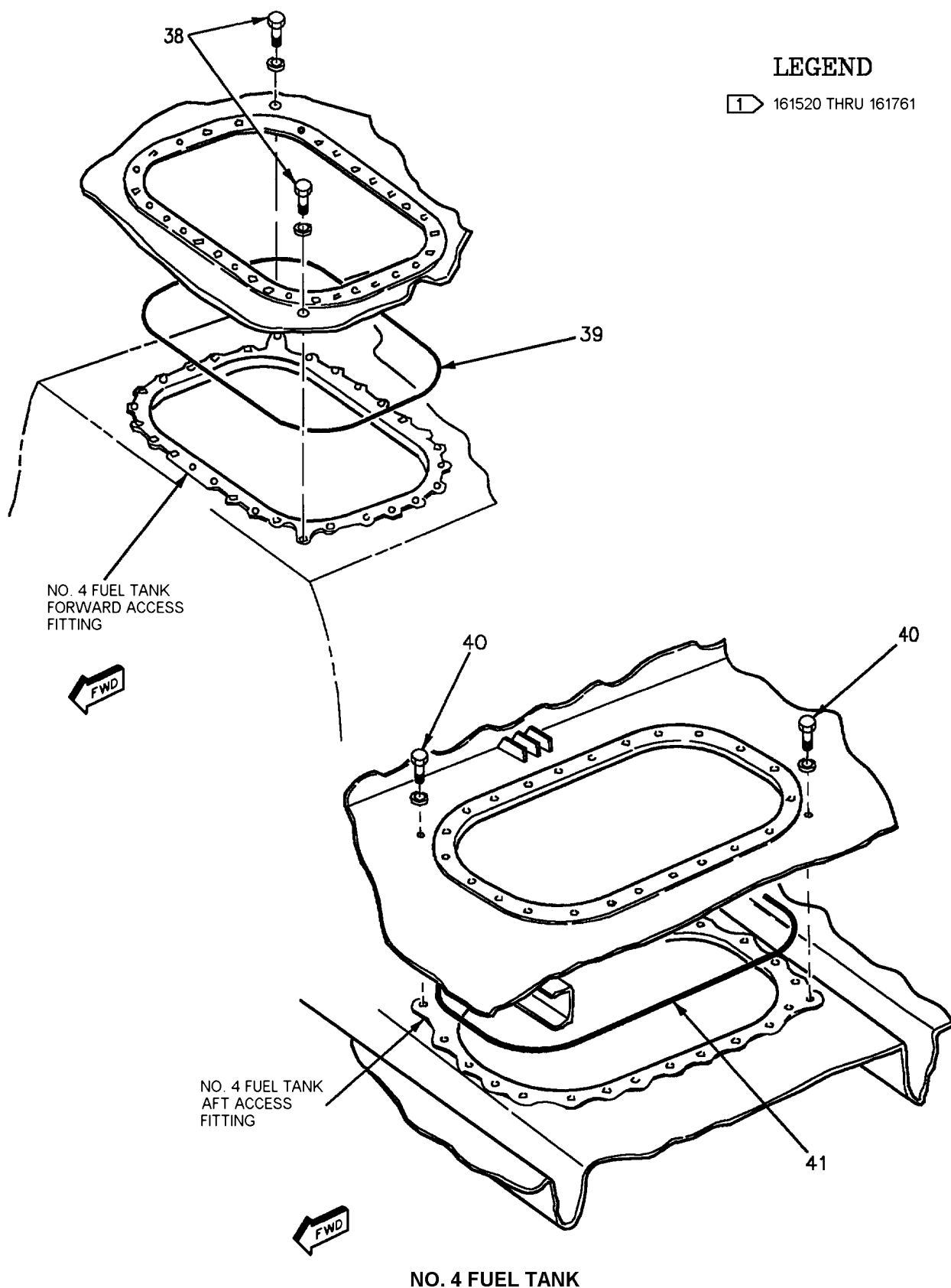
NO.1 FUEL TANK WIRING HOOKUP

Figure 2. Fuel Tank Access Fittings (Sheet 4)



35020205

Figure 2. Fuel Tank Access Fittings (Sheet 5)



35020206

Figure 2. Fuel Tank Access Fittings (Sheet 6)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		FUEL TANK ACCESS FITTINGS.			
1	NAS6604-3	. BOLT	8		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 1)	8		PAOZZ
2	NAS6604-6	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 2)	4		PAOZZ
3	MS29513-391	. PACKING	1	A	PAOZZ
4	NAS674V3	. BOLT	3		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 4)	3		PAOZZ
5	74A580703-1001	. ELBOW, ELECTRICAL - TANK NO. 1, 90	1	D	PAOZZ
		DEGREES (76301)			
6	74A770173-9AAA	. CONNECTOR, RECEPTACLE, ELECTRICAL -.	1	H	XBOOO
		NO. 1 FUEL TANK (76301) (5J-E035) (FOR WIRING REPAIR SEE A1-F18AC-WRM-000)			
	10-599302-35P	. CONNECTOR, RECEPTACLE (77820)	1	J	PAOZZ
		(MCDONNELL SPEC 5M1934-11-35P) (5J-E035)			
7	MS29513-222	. PACKING	1	D	PAOZZ
8	W904R24DE	. COUPLING, CLAMP, GROOVED (HALF).	1	D*	PAOZZ
		(79326) (MCDONNELL SPEC 7M765-24D1)			
	14C12-24A	. SEE ABOVE (24984)	1	D*	PAOZZ
9	MS27467T11B35S	. CONNECTOR, PLUG (5P-E035).	1	D	PAOZZ
10	HT4053-4-2	. SCREW, CLOSE TOLERANCE (73197).	2	B	PAOZZ
		(MCDONNELL SPEC ST3M740-4-2)			
11	NAS674V3	. BOLT	2	C	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 11)	2		PAOZZ
12	74A582000-1001	. ADAPTER, STRAIGHT, TUBE (76301).	1	D	PAOZZ
13	NAS674V3	. BOLT	1	E	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 13)	1		PAOZZ
14	MS27467T11B35S	. CONNECTOR, PLUG (5P-E035).	1	E	PAOZZ
15	NAS674V3H	. BOLT	1	E	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 15)	1		PAOZZ
16	M25988/2-116	. PACKING (FURNISHED WITH 10-550598-35P,	1	E	PAOZZ
		18530, 58202H11B35P)			
17	10-550598-35P	. CONNECTOR, RECEPTACLE (77820)	1	E*	PAOZZ
		(MCDONNELL SPEC ST5M1473-11-35P) (5J-E035) (INCLUDING JAM NUT, REY WASHER AND PACKING)			
	18530	. SEE ABOVE (97814)	1	E*	PAOZZ
	S8202H11B35P	. SEE ABOVE (12349)	1	E*	PAOZZ
18	7M148V8	. ELBOW (76301)	1	D	PAOZZ
19	MS29512-10	. PACKING	1	D	PAOZZ
20	MS29513-116	. PACKING	1	D	PAOZZ
21	NAS6604-7	. BOLT	10		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 21)	10		PAOZZ
22	74A580703-1003	. ELBOW, ELECTRICAL - TANK NO. 1, 90	1	F	PAOZZ
		DEGREES (76301)			
23	74A770173-9AAA	. CONNECTOR, RECEPTACLE, ELECTRICAL -.	1	R	XBOOO
		NO. 1 FUEL TANK, (76301) (5J-E035) (FOR WIRING REPAIR SEE A1-F18AC-WRM-000)			
	10-599302-35P	. CONNECTOR, RECEPTACLE (77820)	1	L	PAOZZ
		(MCDONNELL SPEC 5M1934-11-35P) (5J-E035)			
24	MS29513-222	. PACKING	1	F	PAOZZ
25	W904R24DE	. COUPLING, CLAMP, GROOVED (HALF).	1	F*	PAOZZ
		(79326) (MCDONNELL SPEC 7M765-24D1)			
	14C12-24A	. SEE ABOVE (24984)	1	F*	PAOZZ
26	MS27467T11B35S	. CONNECTOR, PLUG (5P-E035).	1	F	PAOZZ

Figure 2. Fuel Tank Access Fittings (Sheet 7)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
27	MS27467T11B35S	.						CONNECTOR, PLUG (5P-E035)	1	G	PAOZZ
28	MS2988/2-116	.						PACKING (FURNISHED WITH 10-550598-35P, 18530, 58202H11B35P)	1	G	PAOZZ
29	10-550598-35P	.						CONNECTOR, RECEPTACLE (77820) (MCDONNELL SPEC ST5M1473-11-35P) (5J-E035) (INCLUDING JAM NUT, KEY WASHER AND PACKING)	1	G*	PAOZZ
	18530	.						SEE ABOVE (97814)	1	G*	PAOZZ
	S8202H11B35P	.						SEE ABOVE (12349)	1	G*	PAOZZ
30	7M148V8	.						ELBOW (76301)	1	F	PAOZZ
31	74A582000-1001	.						ADAPTER, STRAIGHT, TUBE (76301)	1	F	PAOZZ
32	NAS1523C16F	.						PACKING	1	F	PAOZZ
33	MS29513-116	.						PACKING	1	F	PAOZZ
34	NAS674V4	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 34)	2		PAOZZ
35	MS29513-385	.						PACKING	1		PAOZZ
36	NAS674V4	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 36)	2		PAOZZ
37	MS29513-385	.						PACKING	1		PAOZZ
38	NAS674V4	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 38)	2		PAOZZ
39	MS29513-385	.						PACKING	1		PAOZZ
40	NAS674V4	.						BOLT	2		PAOZZ
	AN960JD416L	.						WASHER (USE WITH INDEX 40)	2		PAOZZ
41	MS29513-385	.						PACKING	1		PAOZZ

* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

CODE	USABLE ON	MODEL
A	161353 AND UP	F/A-18A
B	163092 AND UP	F/A-18A
C	61520 THRU 162909; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39	F/A-18A
D	161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39 F/A-18A	F/A-18A
E	161353 THRU 161519 BEFORE F/A-18 AFC 39	F/A-18A
F	161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39	F/A-18B
G	161354 THRU 161360 BEFORE F/A-18 AFC 39	F/A-18B
H	161520 THRU 161761 BEFORE F/A-18 AFC 39	F/A-18A
J	161925 AND UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 39	F/A-18A
K	161704 THRU 161746 BEFORE F/A-18 AFC 39	F/A-18B
L	161924 AND UP; ALSO 161354 THRU 161746 AFTER F/A-18 AFC 39	F/A-18B

Figure 2. Fuel Tank Access Fittings (Sheet 8)

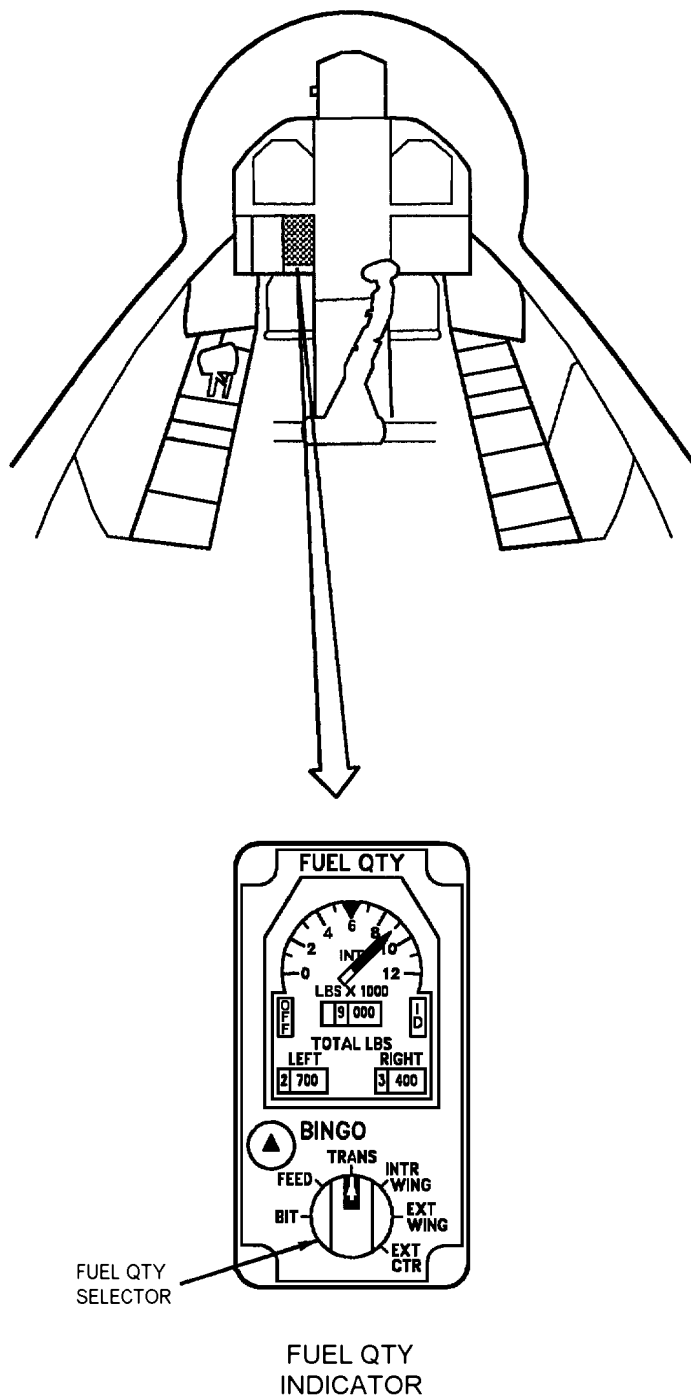


Figure 3. Fuel Quality Indicator

ORGANIZATIONAL MAINTENANCE**SYSTEM MAINTENANCE WITH IPB****FUEL TANK FITTING REPAIR****FUEL STORAGE SYSTEM****Reference Material**

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Aircraft Fuel Cells and Internal/External Tanks	NAVAIR 01-1A-35

Alphabetical Index

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No. 2 Fuel Tank Inspection, Repair and Preparation, Figure 3	7
No. 3 Fuel Tank Inspection, Repair and Preparation, Figure 4	9
No. 4 Fuel Tank Inspection, Repair and Preparation, Figure 5	11
Support Equipment Required	1

Record of Applicable Technical Directives

None

Support Equipment Required**Materials Required**

Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature
AT515 (CAGE 080906)	Burnishing Tool	CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
-	Slide Caliper (or Equivalent)	TT-I-735 (CAGE 81348)	Isopropyl Alcohol
6230-00-270-5419	Electric, General Purpose Explosion Proof Lantern	VV-P-236 (CAGE 81348)	Technical Petrolatum

Materials Required (Cont)

Specification or Part Number	Nomenclature
KIT 14-2 (CAGE 99442)	Corrosion Resistant
-	320 Grit Sandpaper
-	600 Grit Sandpaper
6B602 (CAGE 75554)	Polishing Compound

1. GENERAL.

a. Observe fuel tank maintenance precautions (WP013 00).

2. FITTING REPAIR. (FIGURE 1).

a. Repair surfaces other than the packing seal surface per NAVAIR 01-1A-35.

b. Repair packing seal surfaces per substeps below:

(1) If scratch or nick of packing seal surface is more than 0.003 inch of maximum fitting tolerance, replace fuel tank.

(2) If length of scratch or nick at packing seal is more than 90° of fitting circumference, replace fuel tank.

(3) If scratch or nick at packing seal surface is less than the dimensions in substeps (1) and (2), repair fitting per substeps below:



Petrolatum, Technical, VV-P-236

1

NOTE

Fittings with more than one scratch or nick can be repaired per substeps below.

(a) Apply petrolatum to area of scratch or nick to prevent sanding grit from contaminating the fuel tank.

(b) Using burnishing tool, push metal towards scratch.

(c) Using 320 grit sandpaper and petrolatum, sand a 20 to 1 area of scratch or nick.

(d) Using 600 grit sandpaper and petrolatum, smooth over a 20 to 1 area.



Polishing Compound, 6B602

9

(e) Polish reworked area with polishing compound. Buff with clean cheesecloth.

(f) Wipe reworked area with a clean cheesecloth and water.



Corrosion Resistant, KIT14-2

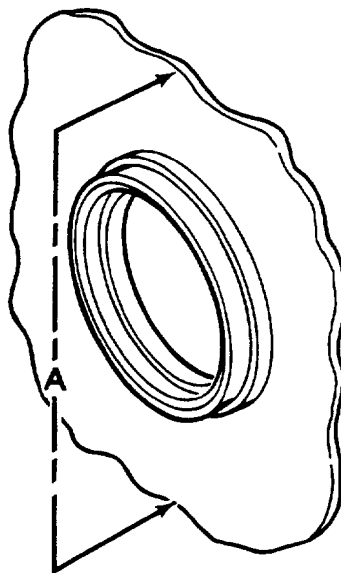
8

(g) Apply corrosion resistant and allow solution to remain on reworked area 1 to 5 minutes.

(h) Wipe treated area carefully with a clean cheesecloth and water using as little pressure as possible to prevent wiping off corrosion resistant.

(i) Allow treated surface to dry.

(j) After repair, measure and record diameter of fitting where nick was deepest. See figures 2 thru 6 for maximum tolerance of fittings.



$$\text{BLEND AREA} = \frac{20}{1} \frac{\text{LENGTH OF BLEND ON CIRCUMFERENCE}}{\text{DEPTH OF NICKS OR SCRATCH}}$$

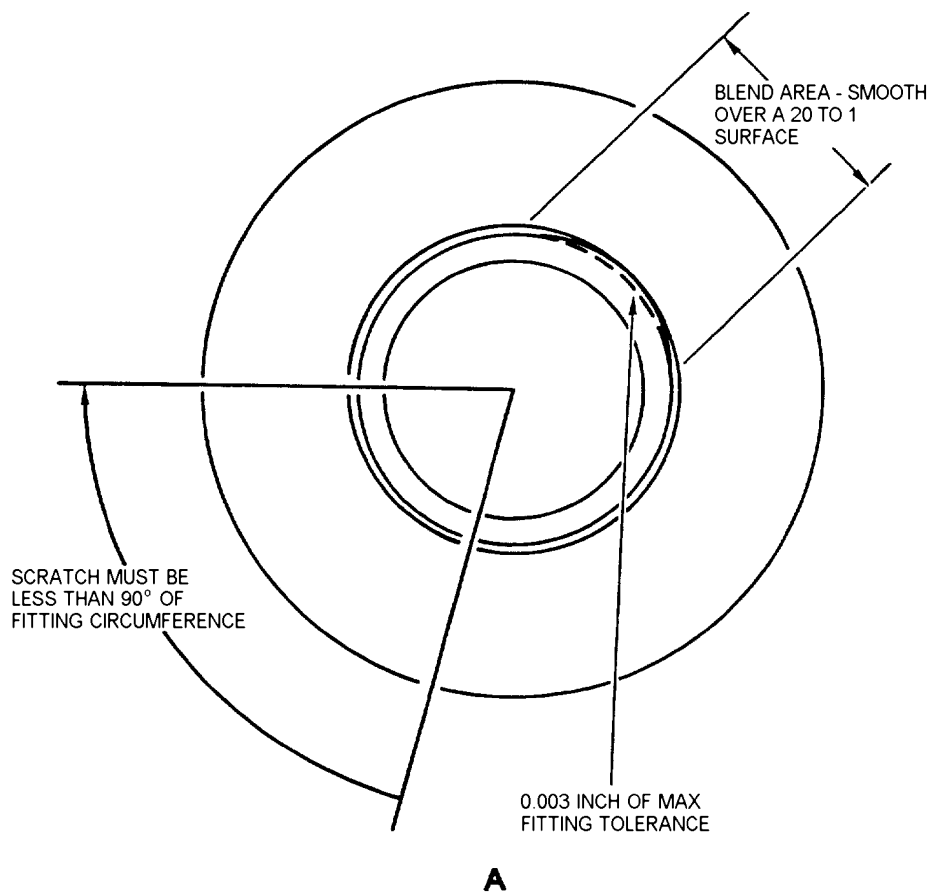
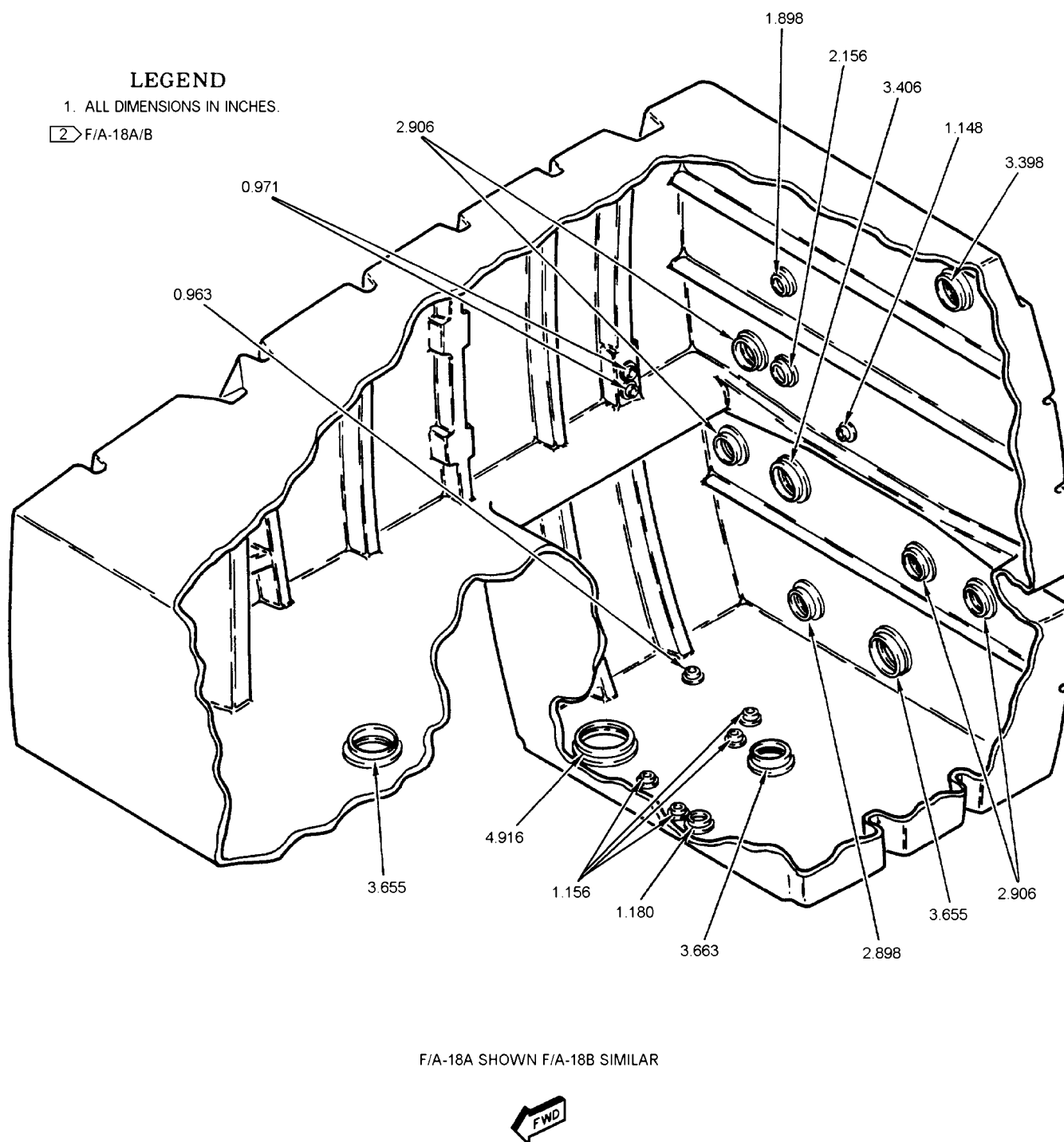


Figure 1. Fuel Tank Repair



03600201

Figure 2. No. 1 Fuel Tank Inspection, Repair and Preparation (Sheet 1)

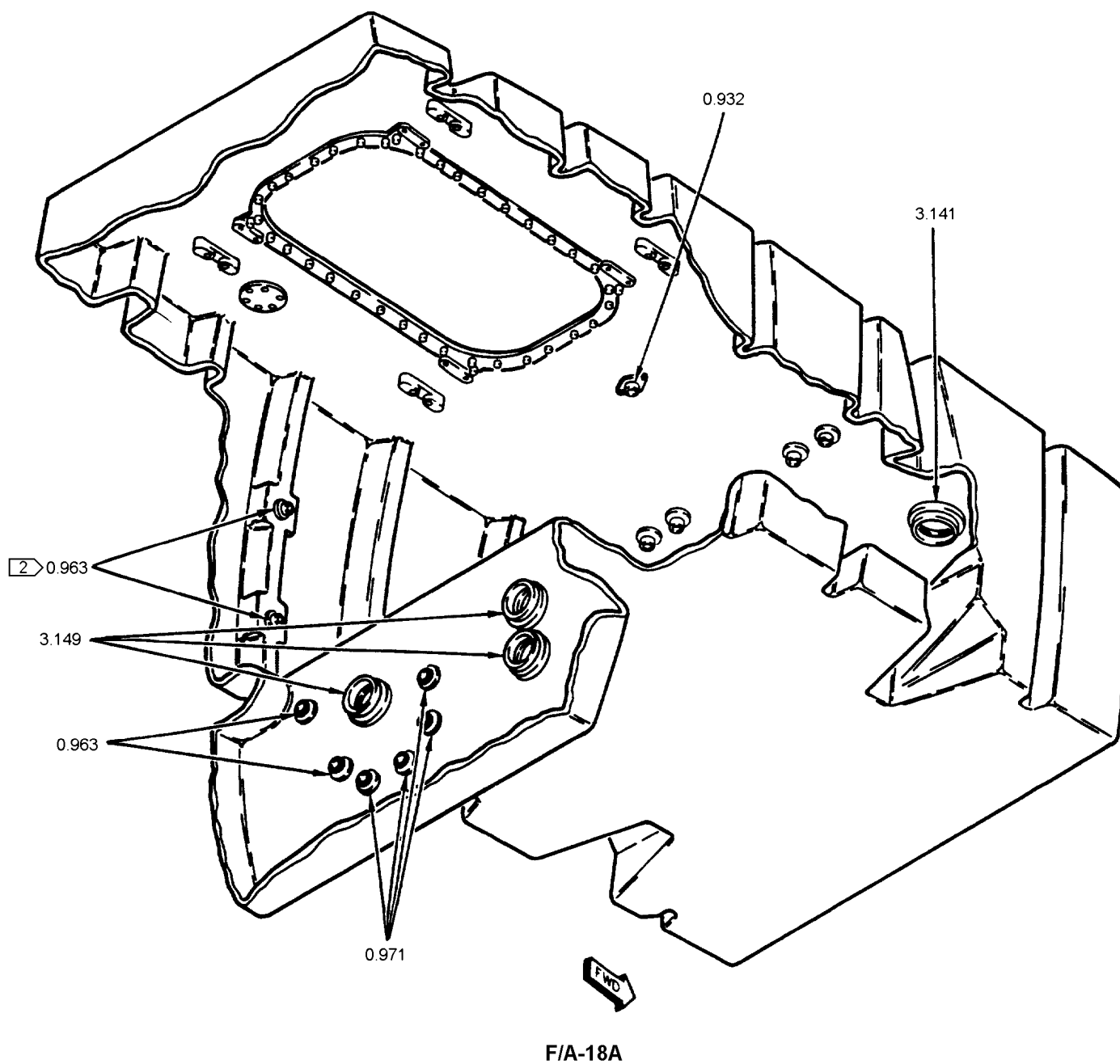


Figure 2. No. 1 Fuel Tank Inspection, Repair and Preparation (Sheet 2)

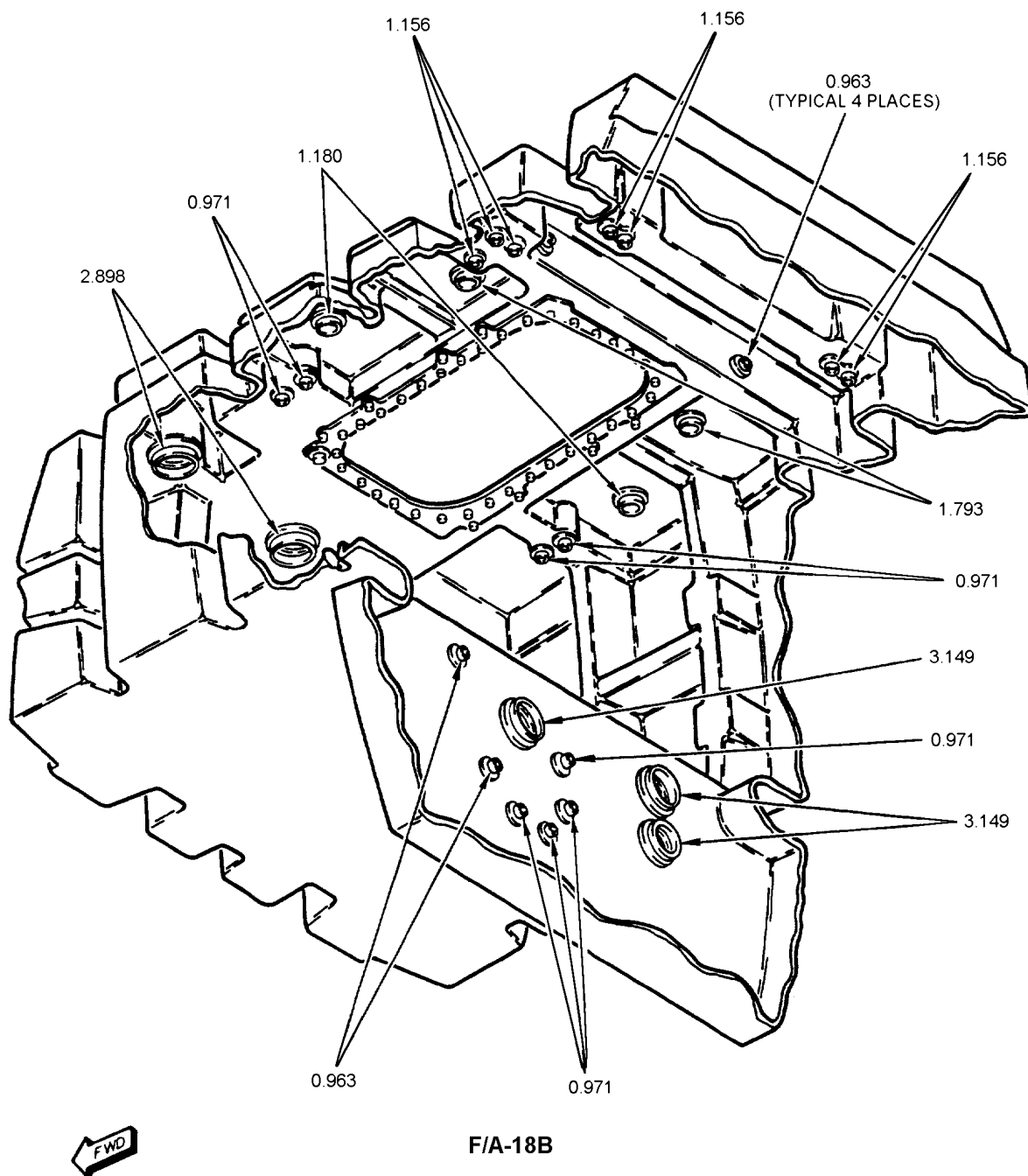
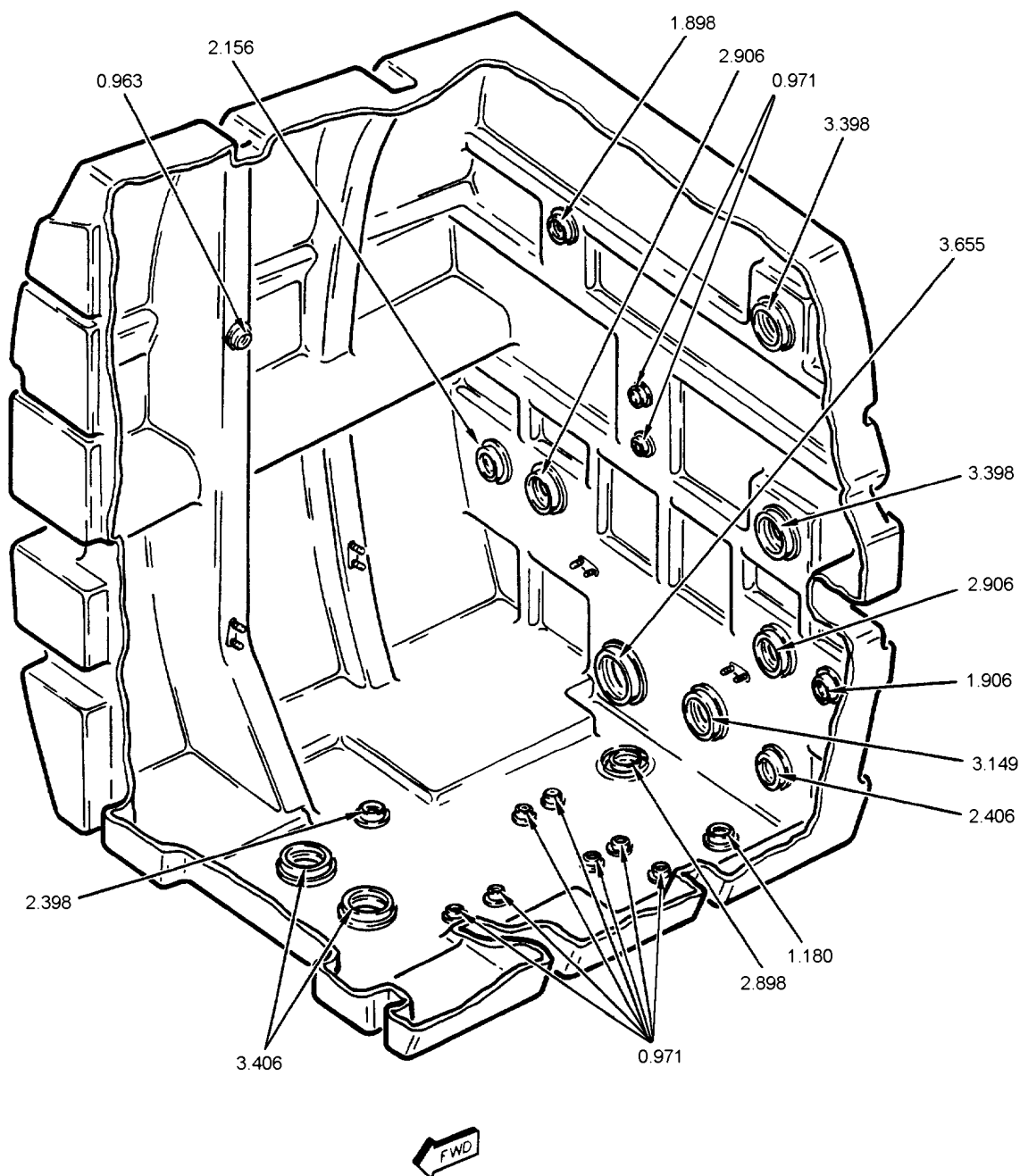


Figure 2. No. 1 Fuel Tank Inspection, Repair and Preparation (Sheet 3)

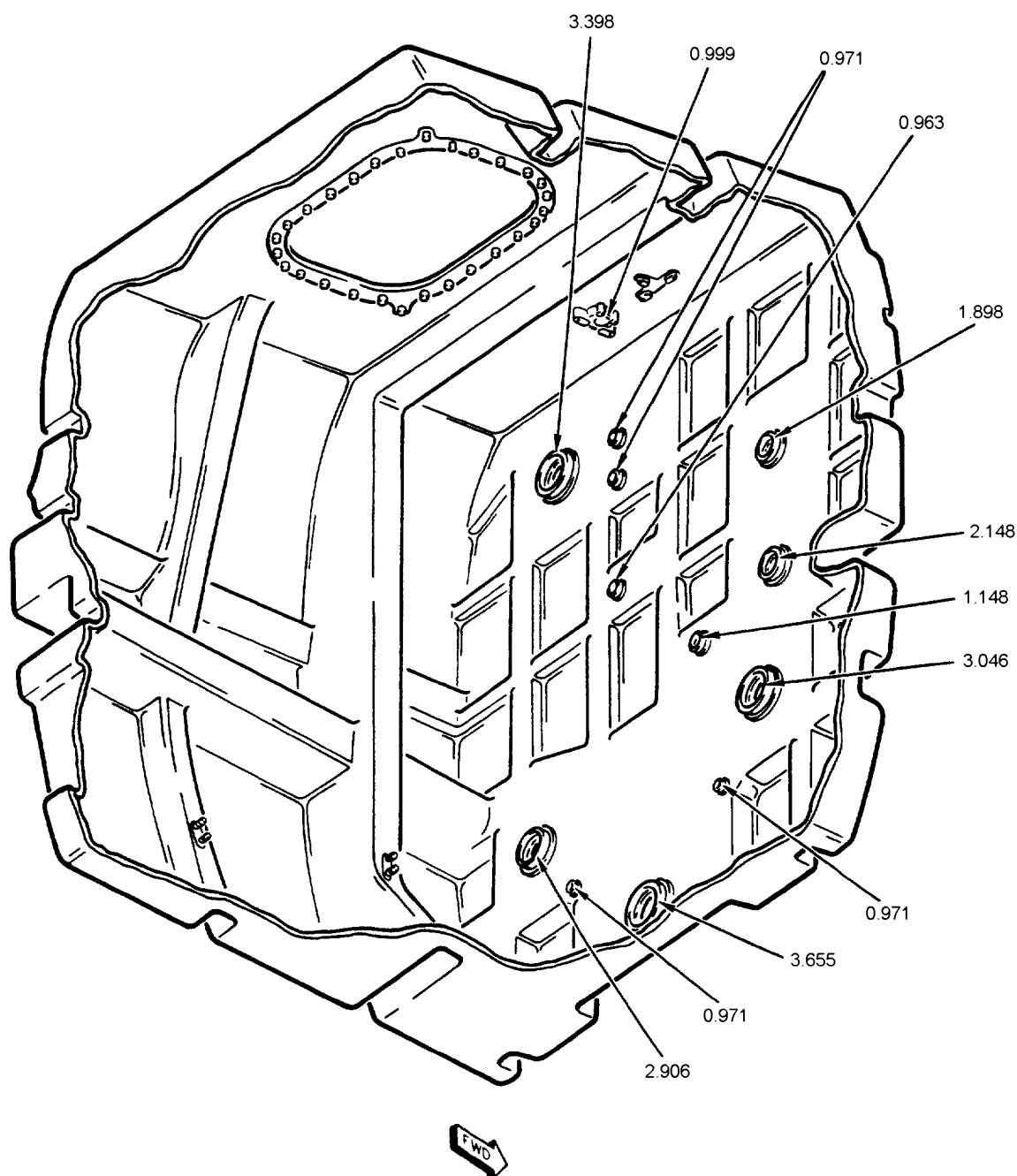
LEGEND

1. ALL DIMENSIONS IN INCHES.



03600301

Figure 3. No. 2 Fuel Tank Inspection, Repair and Preparation (Sheet 1)

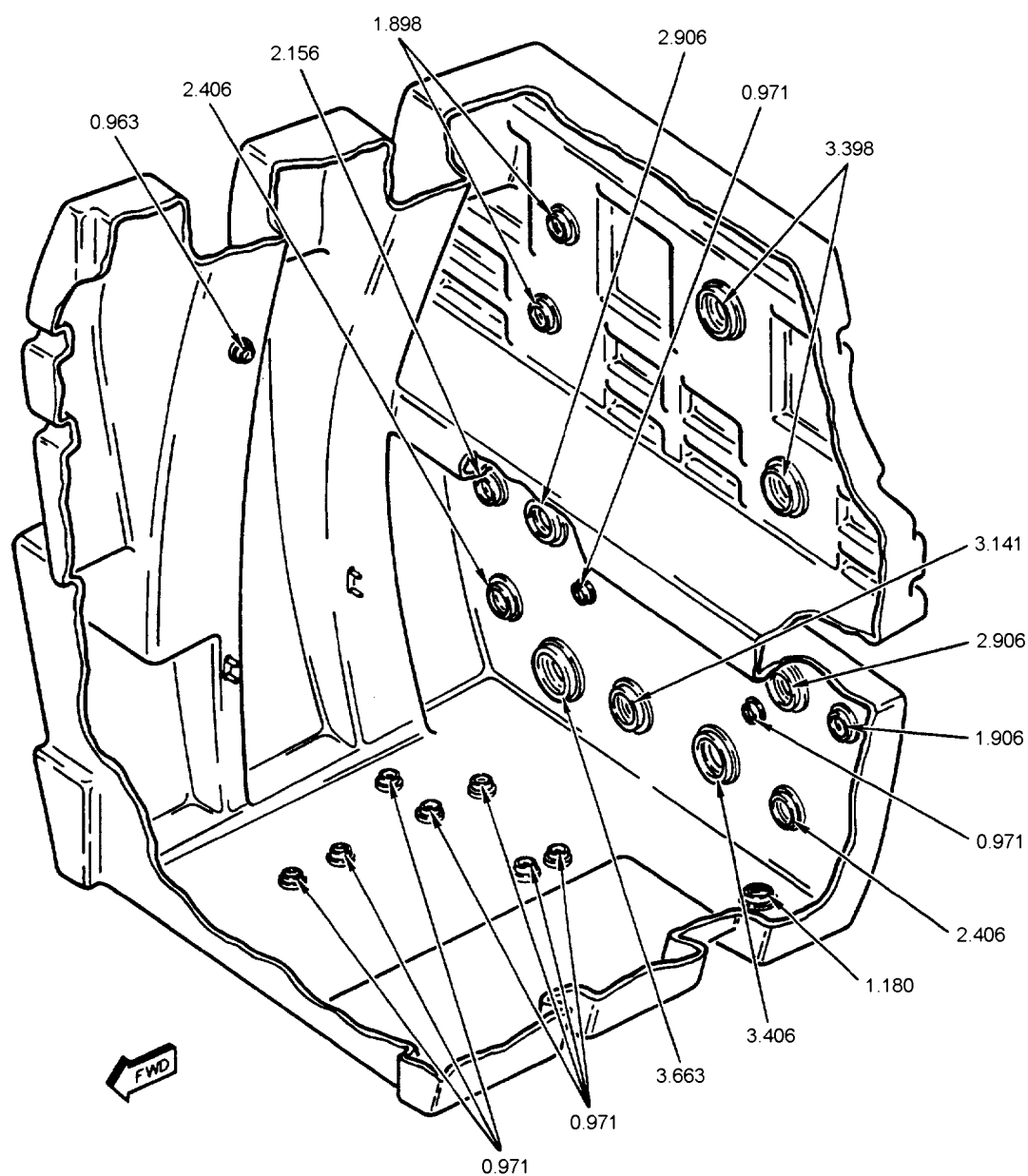


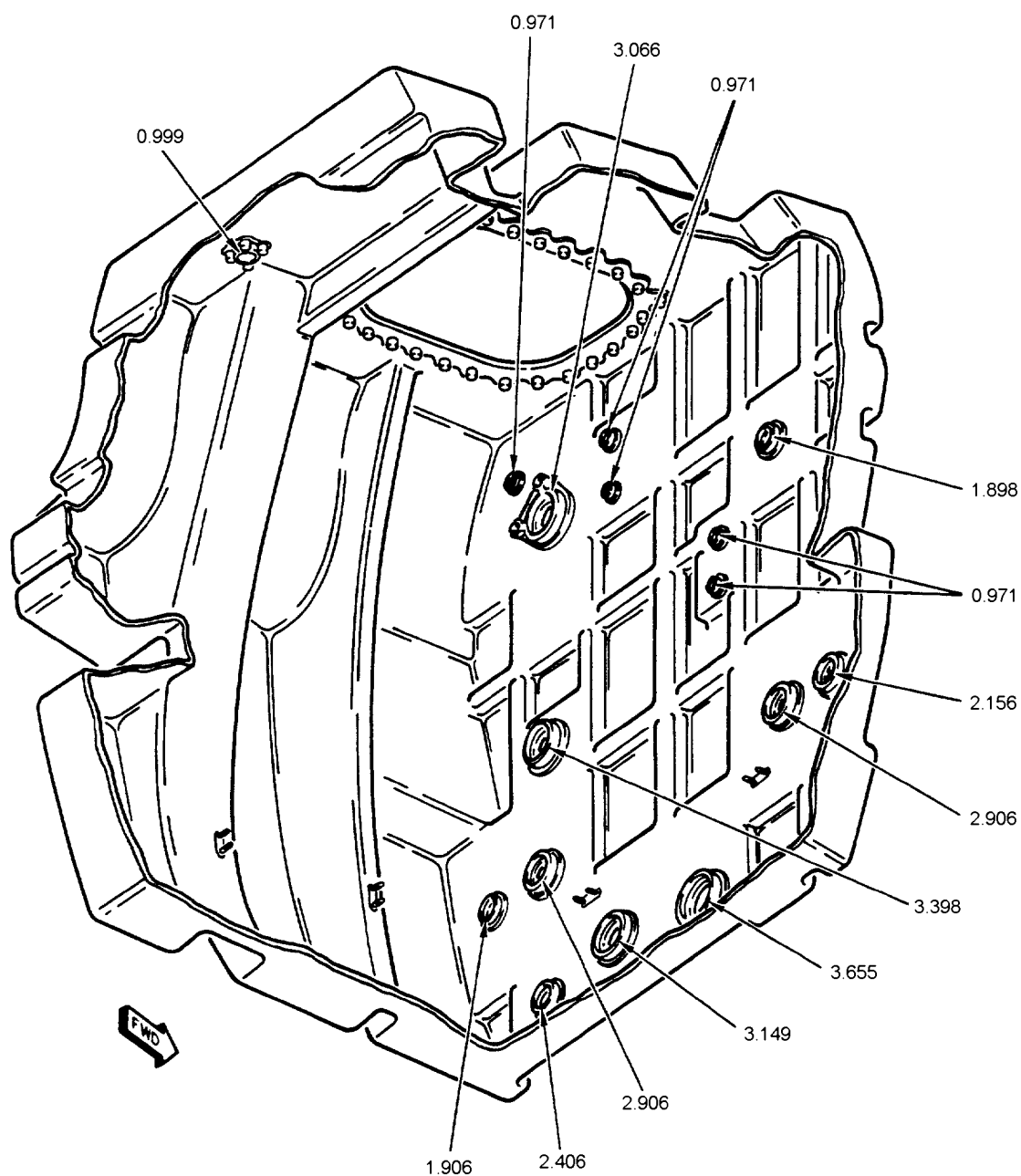
03600302

Figure 3. No. 2 Fuel Tank Inspection, Repair and Preparation (Sheet 2)

LEGEND

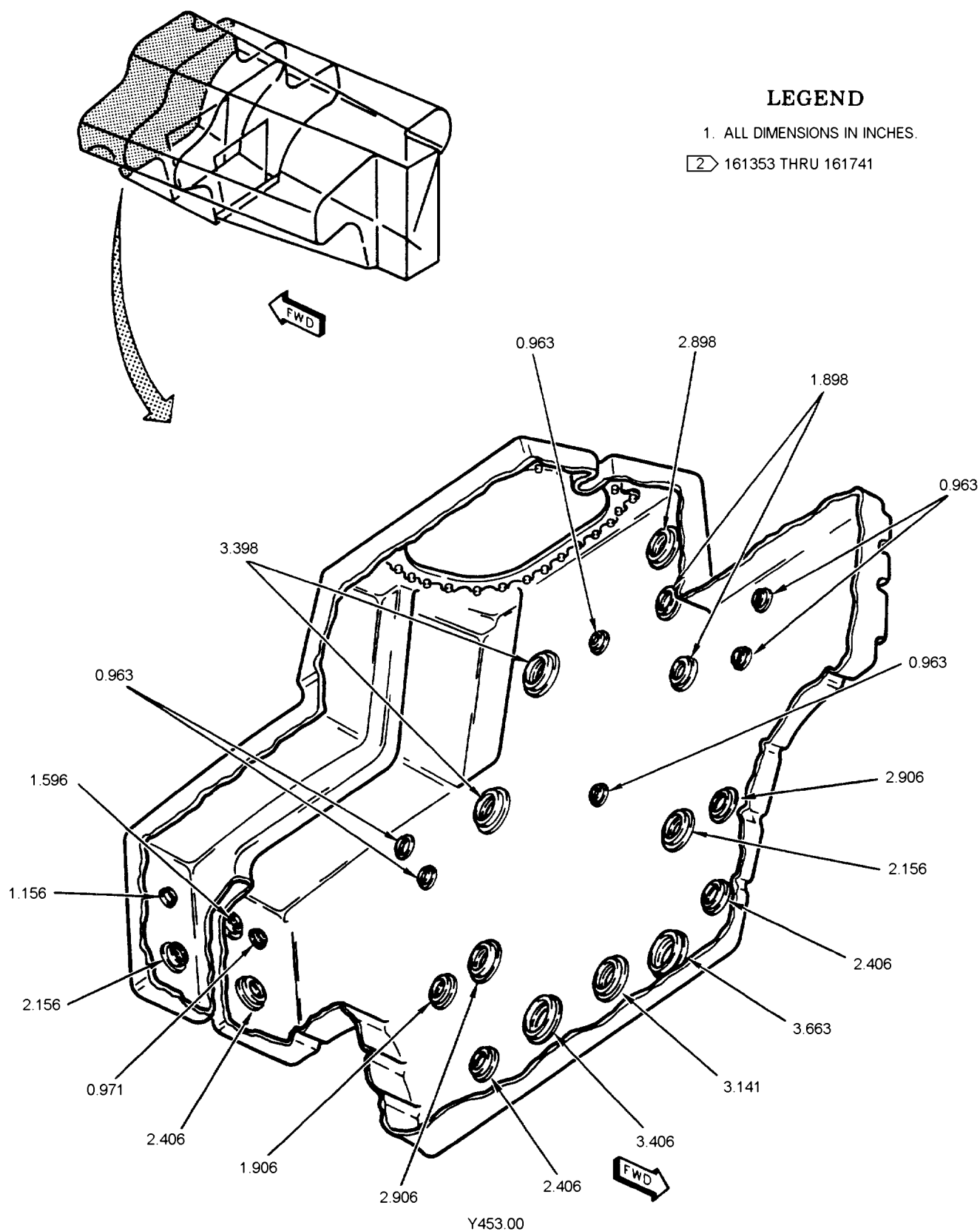
1. ALL DIMENSIONS IN INCHES.





03600402

Figure 4. No. 3 Fuel Tank Inspection, Repair and Preparation (Sheet 2)



03600501

Figure 5. No. 4 Fuel Tank Inspection, Repair and Preparation (Sheet 1)

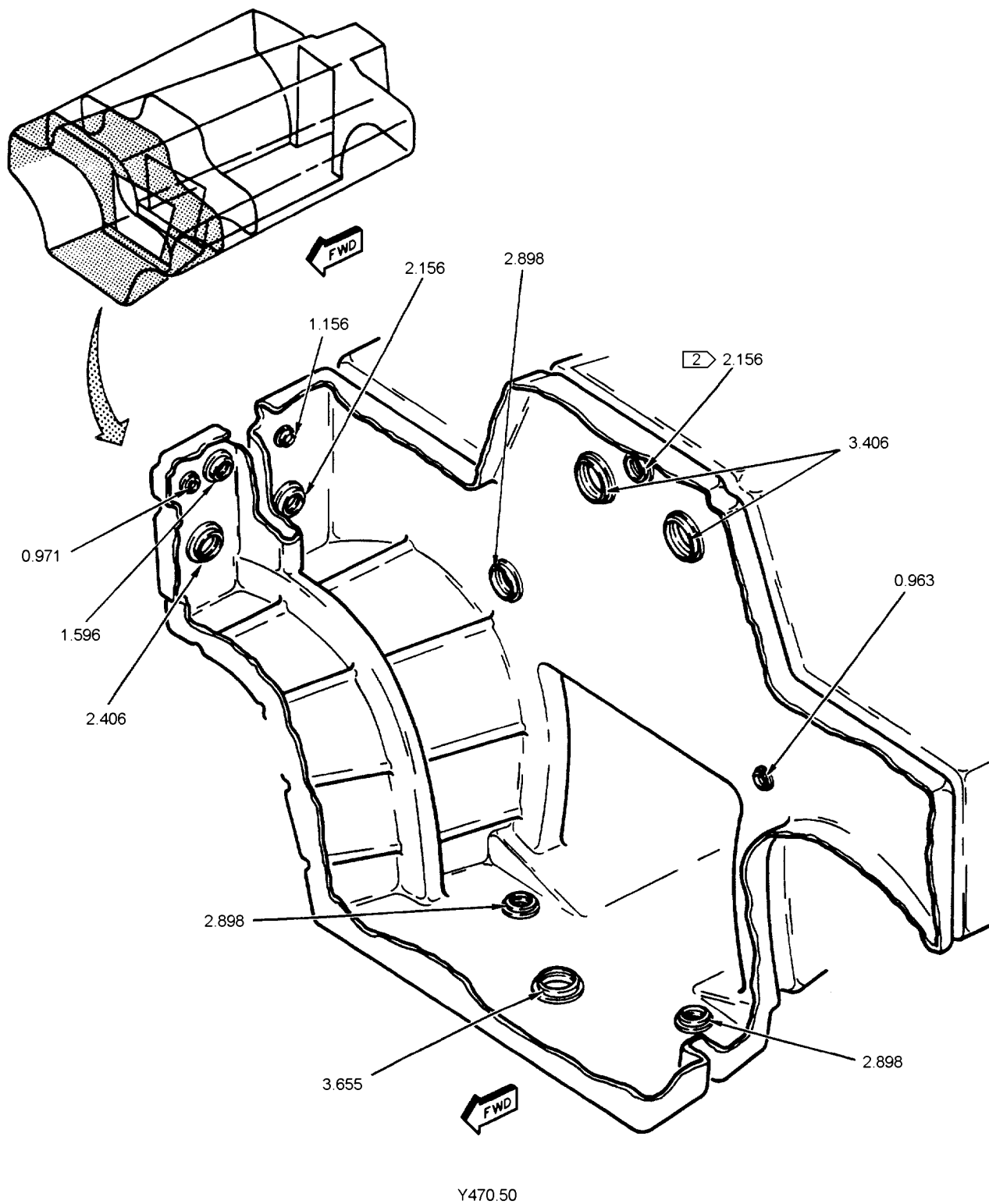


Figure 5. No. 4 Fuel Tank Inspection, Repair and Preparation (Sheet 2)

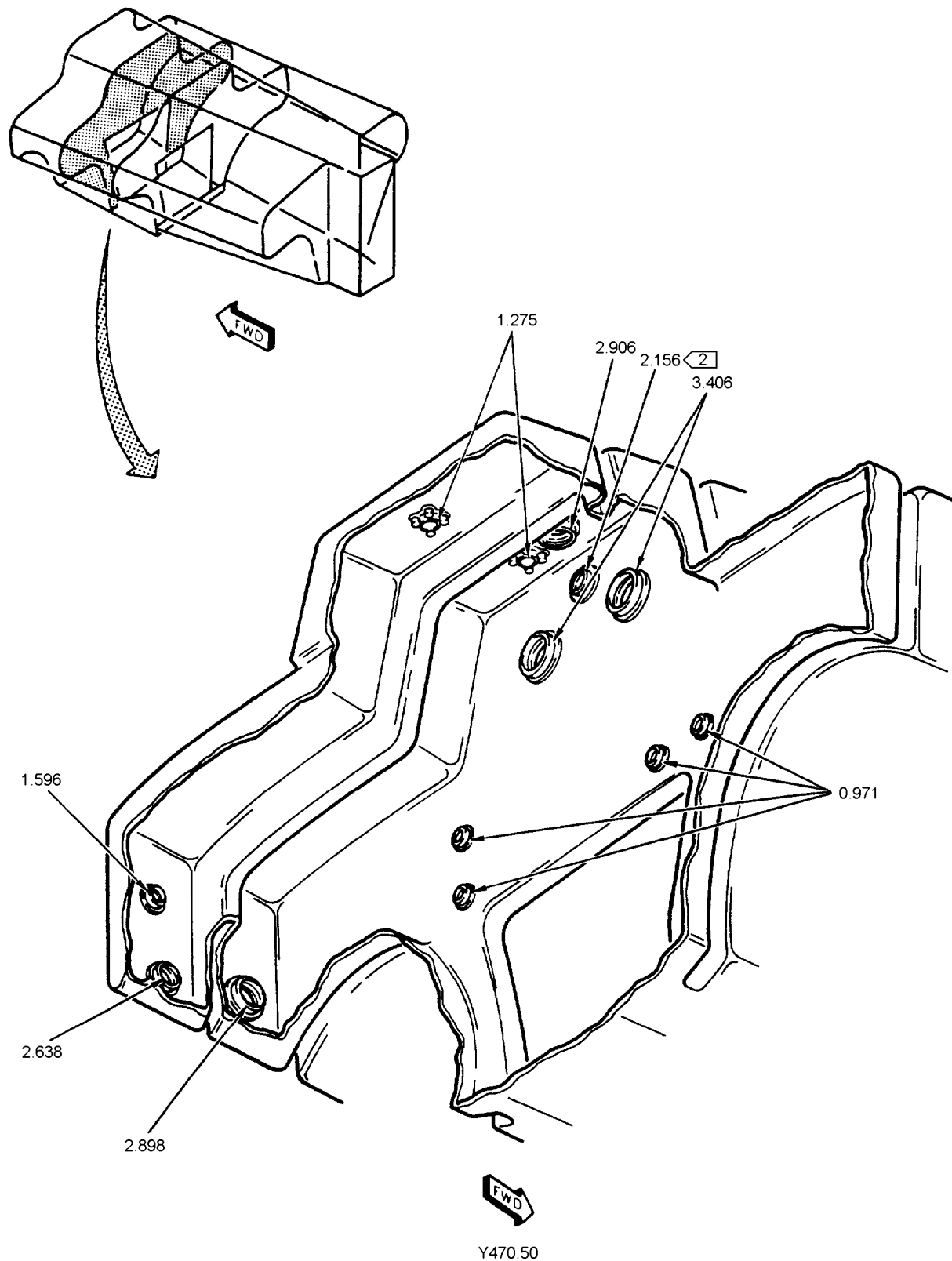


Figure 5. No. 4 Fuel Tank Inspection, Repair and Preparation (Sheet 3)

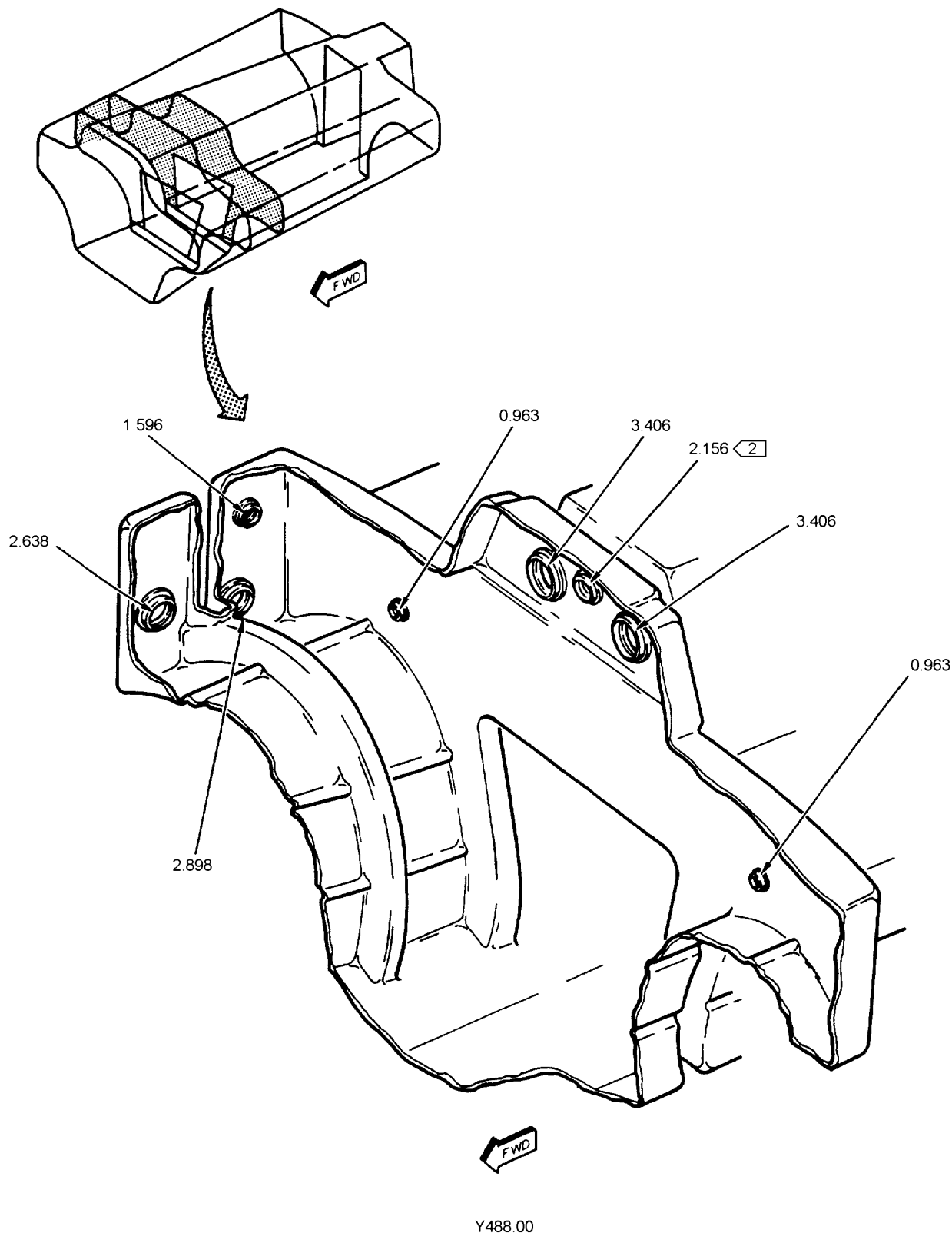
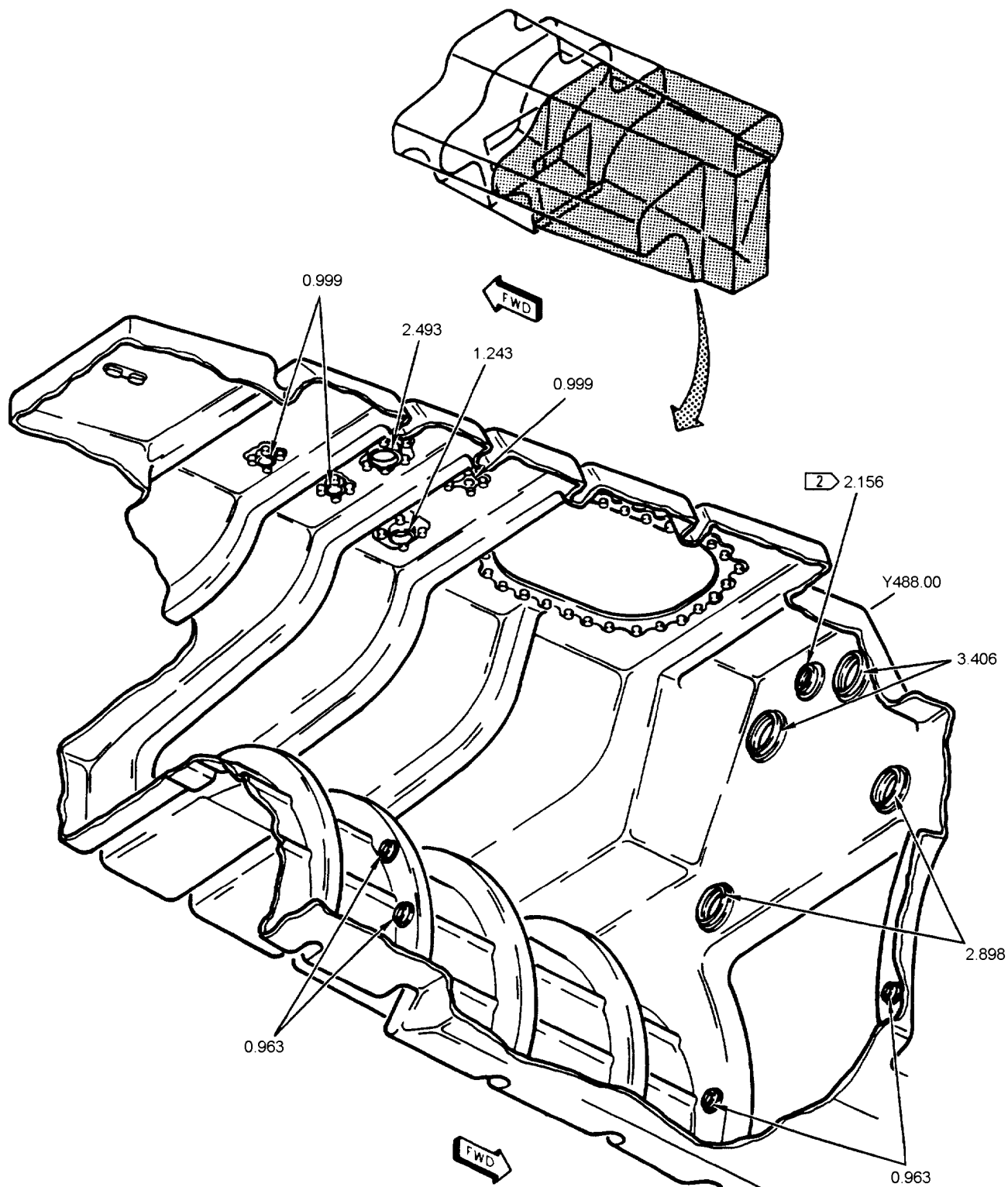
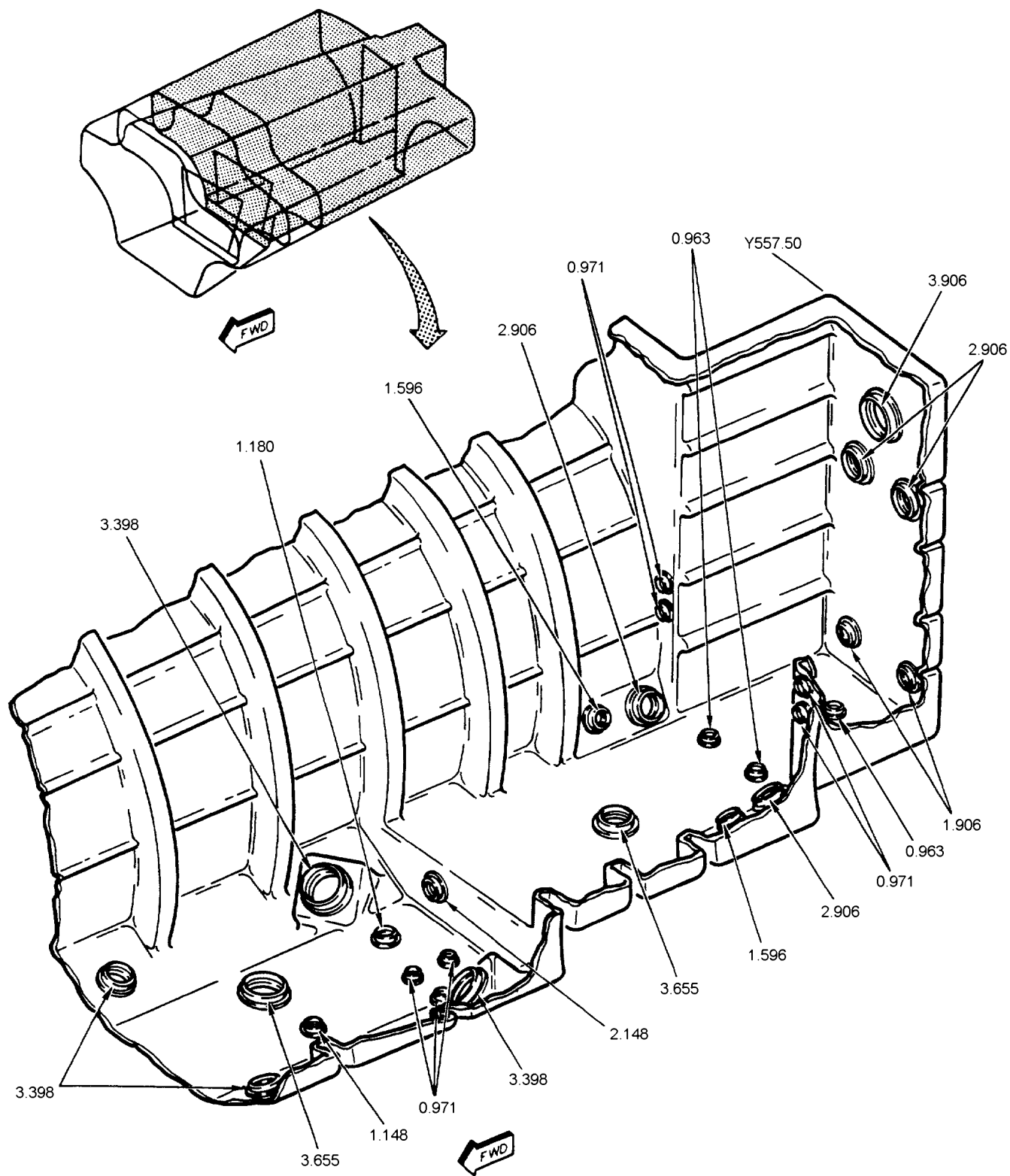


Figure 5. No. 4 Fuel Tank Inspection, Repair and Preparation (Sheet 4)



03600505

Figure 5. No. 4 Fuel Tank Inspection, Repair and Preparation (Sheet 5)



03600506

Figure 5. No. 4 Fuel Tank Inspection, Repair and Preparation (Sheet 6)

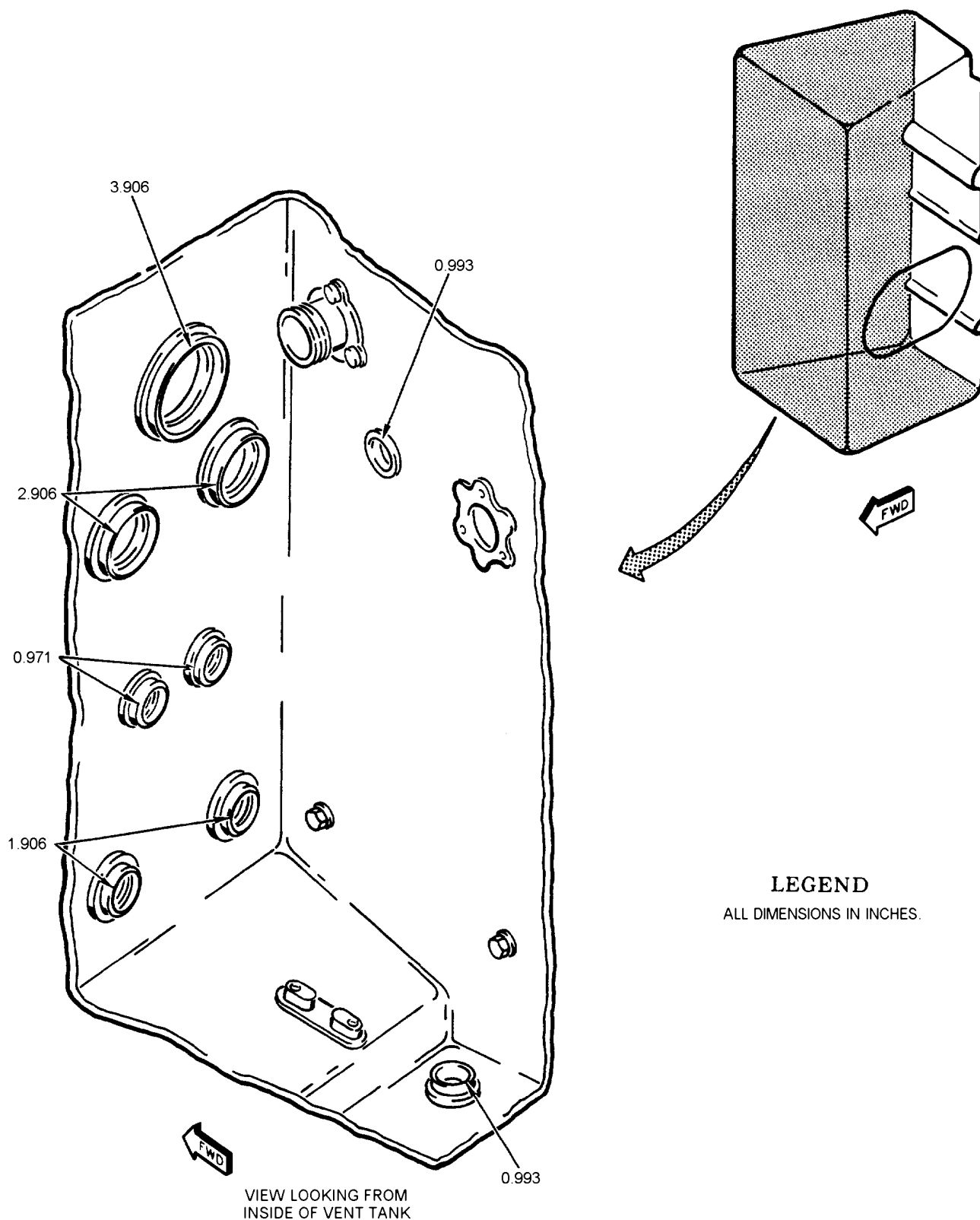
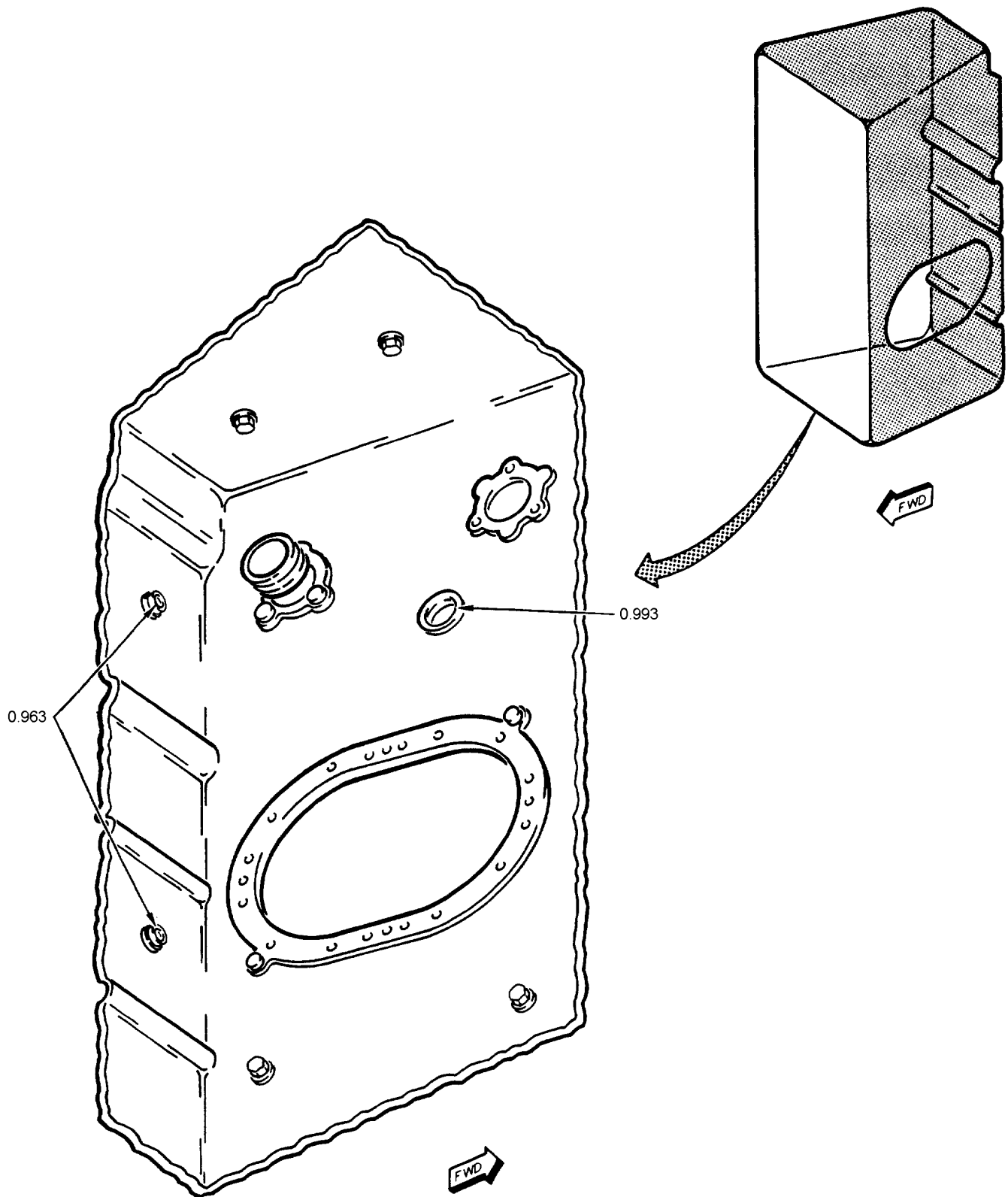


Figure 6. Fuel Vent Tank Inspection, Repair and Preparation (Sheet 1)



03600602

Figure 6. Fuel Vent Tank Inspection, Repair and Preparation (Sheet 2)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
FUEL TANK CAVITY THERMAL BLANKETS
FUEL STORAGE SYSTEM

Reference Material

Powerplant and Related Systems	A1-F18AC-270-300
Engine Removal	WP003 00
Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
No. 3 Fuel Tank Foam Filter	WP025 01
Vent Tank Cavity Foam Filter	WP034 01
Line Maintenance Access Doors	A1-F18AC-LMM-010

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Vent Tank Cavity Thermal Blankets	18
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Vent Tank Cavity Thermal Blankets, Figure 4	18

Record of Applicable Technical Directives

None

Support Equipment Required

None



Materials Required

Specification or Part Number	Nomenclature
MIL-A-46106 TYPE 1 (CAGE 81349)	Adhesive
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-T-83284-1-500 (CAGE 81349)	Tape, Pressure Sensitive (Reflective)
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
-	Plastic or Wooden Scraper

1. REMOVAL.

a. Observe applicable fuel tank maintenance precautions (WP013 00).

b. If removing thermal blanket under vent tank (figure 4), do substeps below:

(1) Remove left engine (A1-F18AC-270-300, WP003 00).

(2) Remove internal door EBB (A1-F18AC-LMM-010).

(3) Remove tubes (6 and 9).

(4) Disconnect electrical connector from keel duct sensing element.

(5) Remove clamp (11) and attaching parts.

(6) Remove bracket (13) and attaching parts.

c. When removing thermal blankets in no. 3 fuel cavity, remove fuel cavity foam per WP025 01, if applicable.



Isopropyl Alcohol, TT-I-735

2

To prevent scratches, use only a plastic or wooden scraper to remove adhesive.

d. Using a plastic or wooden scraper, cheesecloth and isopropyl alcohol, remove thermal blanket and adhesive. See figures 1, 2, 3, and 4 for thermal blanket location.

2. INSTALLATION.

a. Observe applicable fuel tank maintenance precautions (WP013 00).



Isopropyl Alcohol, TT-I-735

2

NOTE

Clean area to be bonded immediately before applying adhesive.

b. Clean mating surfaces of thermal blanket and fuel cavity with cheesecloth moistened with isopropyl alcohol. Wipe areas with clean dry cheesecloth before isopropyl alcohol evaporates. Repeat procedure until no visible contamination remains.



Adhesive is toxic to skin, eyes, and respiratory tract. Skin and eye protection required. Avoid repeated or prolonged contact. Good general ventilation is normally enough.

c. If installing thermal blankets in no. 3 fuel tank cavity, do substeps below:



Adhesive, MIL-A-46106, Type 1

10

(1) Brush a heavy coat of adhesive on thermal blanket to areas shown in figure 1 or figure 2.

(2) Position thermal blanket and press against fuel cavity. Apply hand pressure to thermal blanket where adhesive exists to assure contact with fuel cavity and spread adhesive.

(3) Carefully remove thermal blanket and protect adhesive from contamination.

(4) Allow adhesive on thermal blanket and fuel cavity to dry until tacky (5 to 10 minutes). Adhesive will have an aggressive tack but leave no residue when touched.

(5) Reposition thermal blanket and press against fuel cavity mating surface. Use hand pressure on adhesive areas to smooth out excess adhesive and remove trapped air bubbles.

(6) Apply reflective tape around all edges of thermal blankets (detail A, B and C).

(7) Install fuel cavity foam filler per WP025 01, if applicable.

NOTE

Before installing thermal blanket on forward or aft bulkhead in vent tank cavity, make sure cavity foam filler is installed (WP034 01).

d. If installing thermal blankets in no. 4 or vent fuel tank cavity, do substeps below:

(1) Apply a thin coat of rubber adhesive to thermal blanket or structure over all of mating surface (figure 3 or 4).

(2) Press thermal blanket against structure, squeezing out any excess.

e. After installing thermal blanket (12, figure 4) under vent tank, do substeps below:

(1) Install bracket (13) and attaching parts.

(2) Position keel duct sensing element and install clamp (11) and attaching parts.

(3) Connect electrical connector to keel duct sensing element.

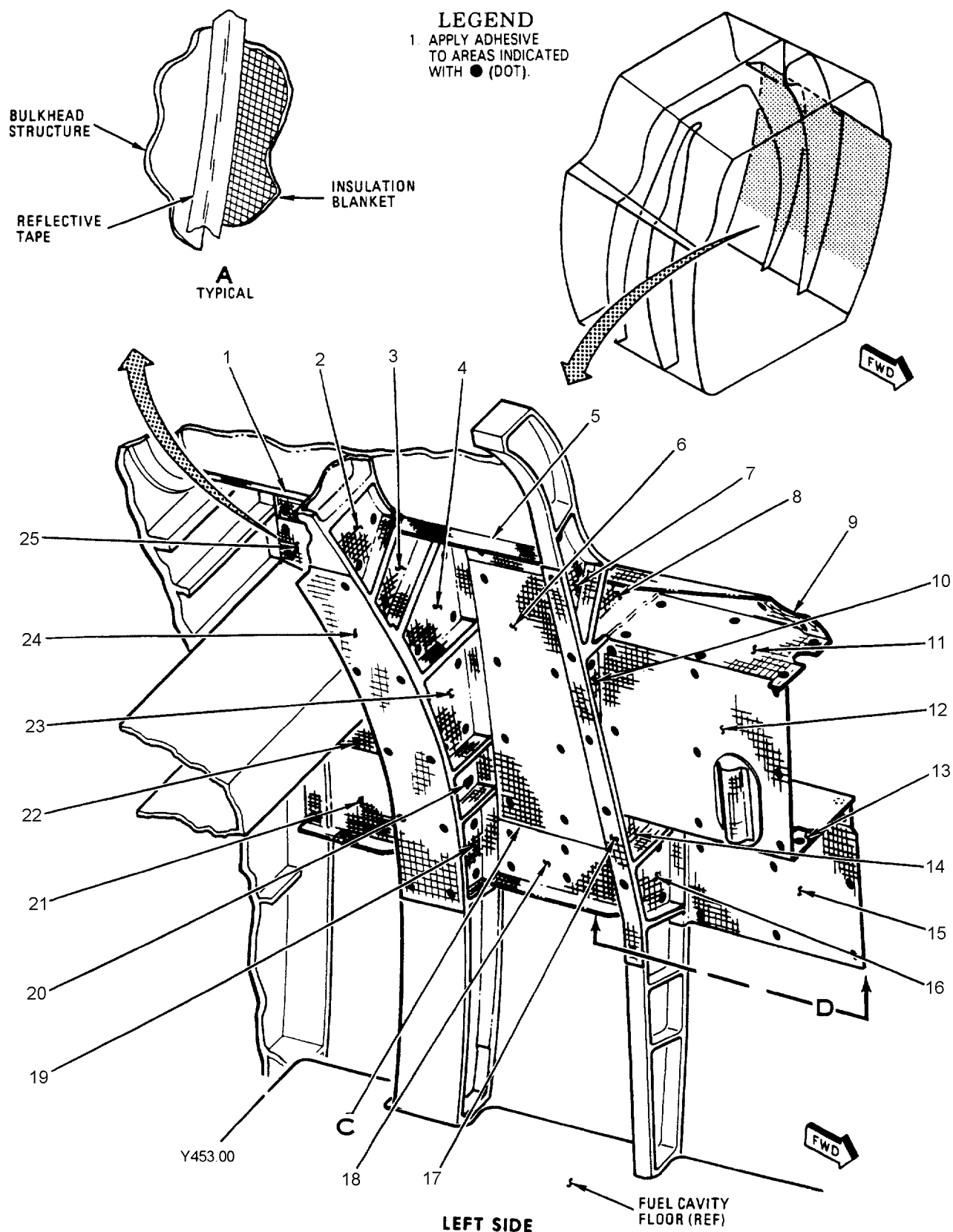
(4) Install tubes (6 and 9).

(5) Install internal door EBB (A1-F18AC-LMM-010).

(6) Install left engine (A1-F18AC-270-300, WP003 00).

3. ILLUSTRATED PARTS BREAKDOWN.

4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



36010101

Figure 1. No. 3 Fuel Tank Cavity Thermal Blankets - 161353 THRU 161741 (Sheet 1)

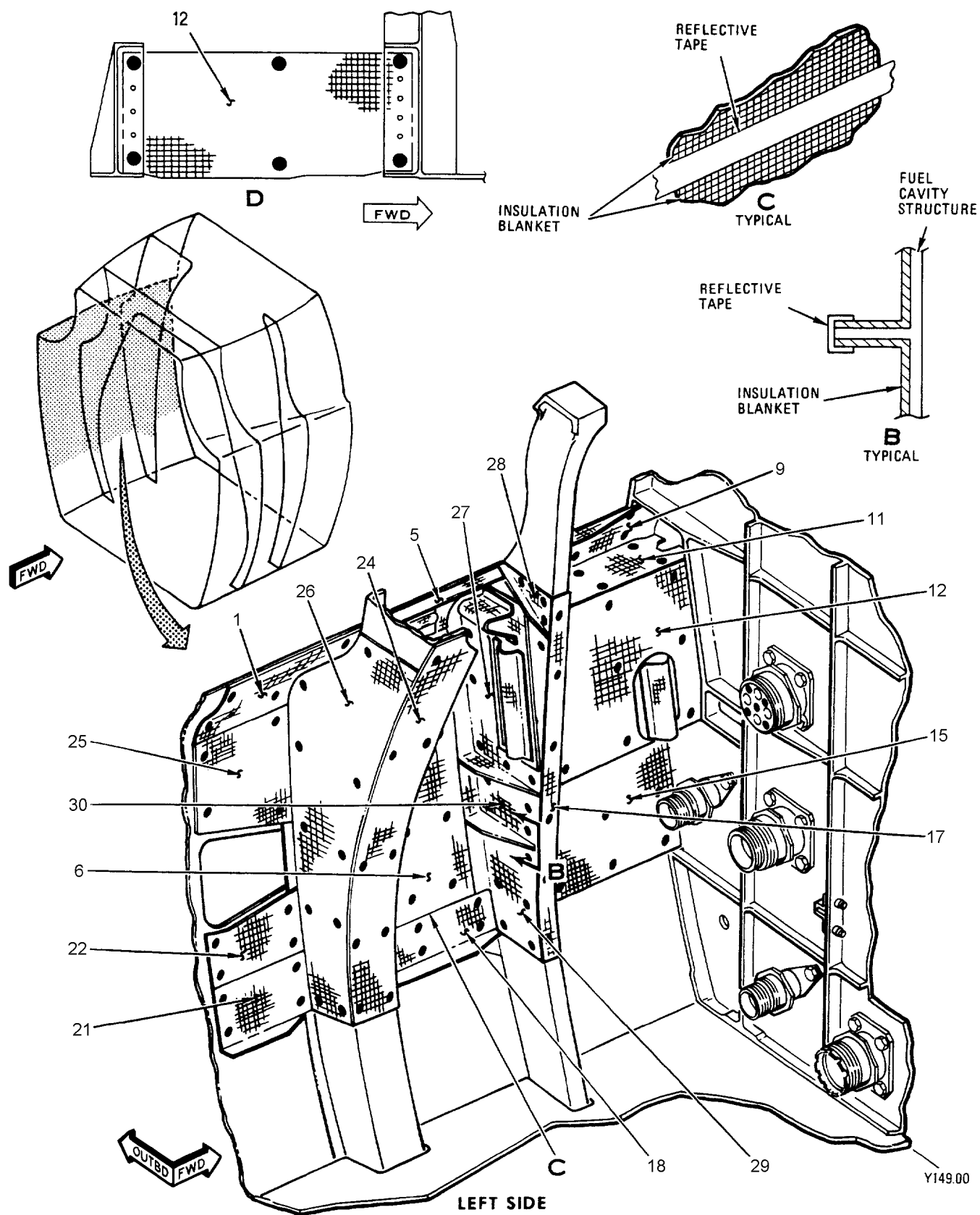
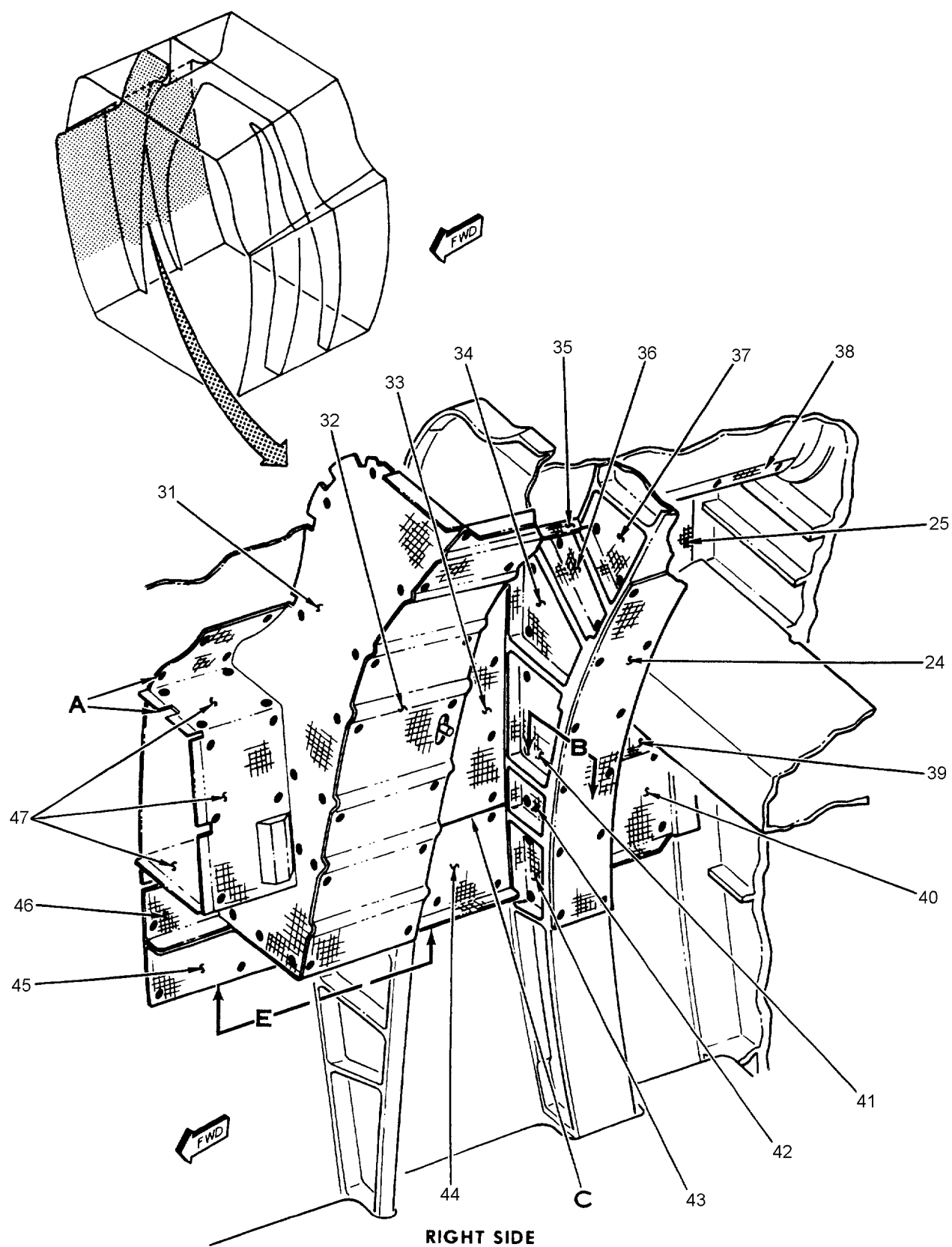
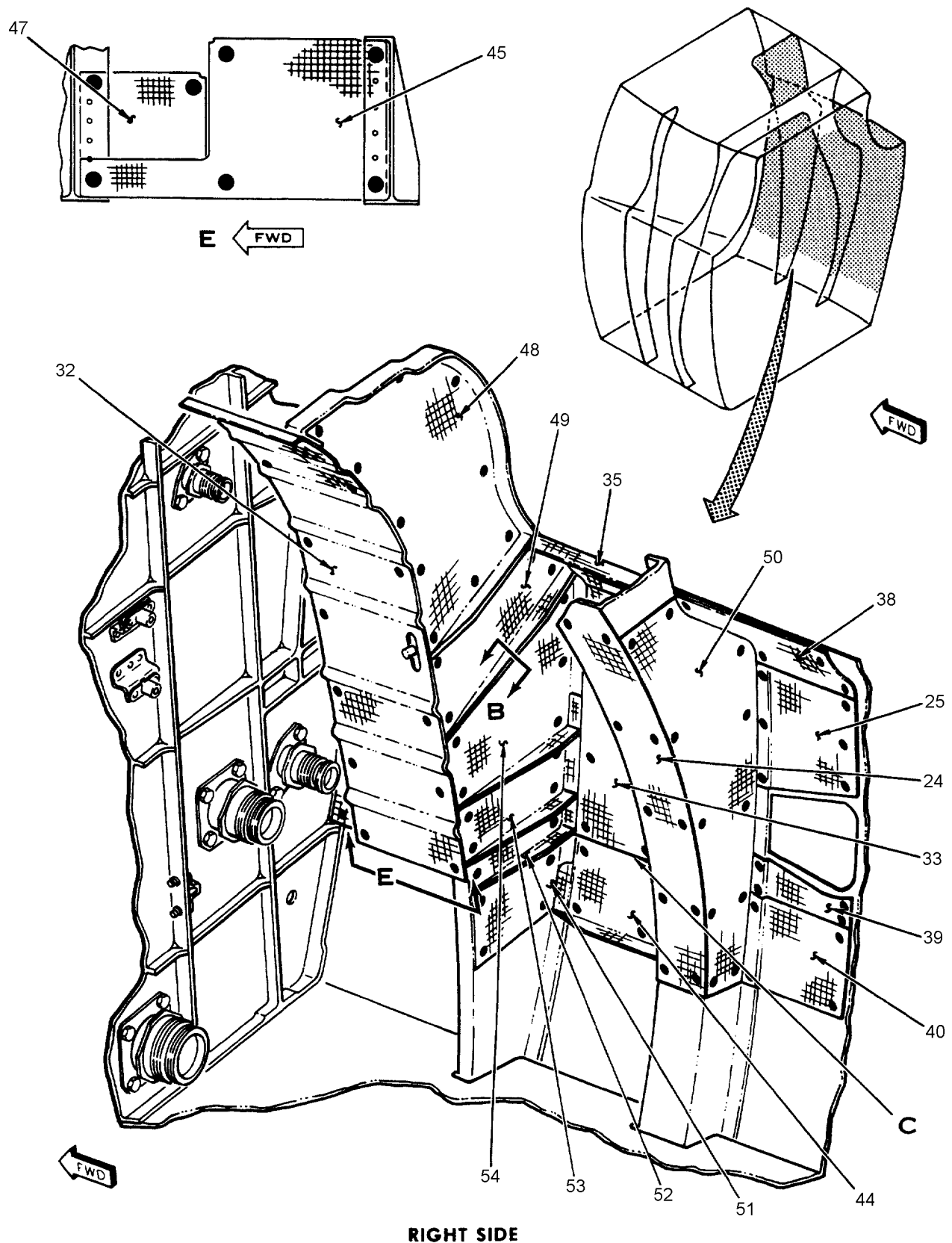


Figure 1. No. 3 Fuel Tank Cavity Thermal Blankets - 161353 THRU 161741 (Sheet 2)



36010103

Figure 1. No. 3 Fuel Tank Cavity Thermal Blankets - 161353 THRU 161741 (Sheet 3)



36010104

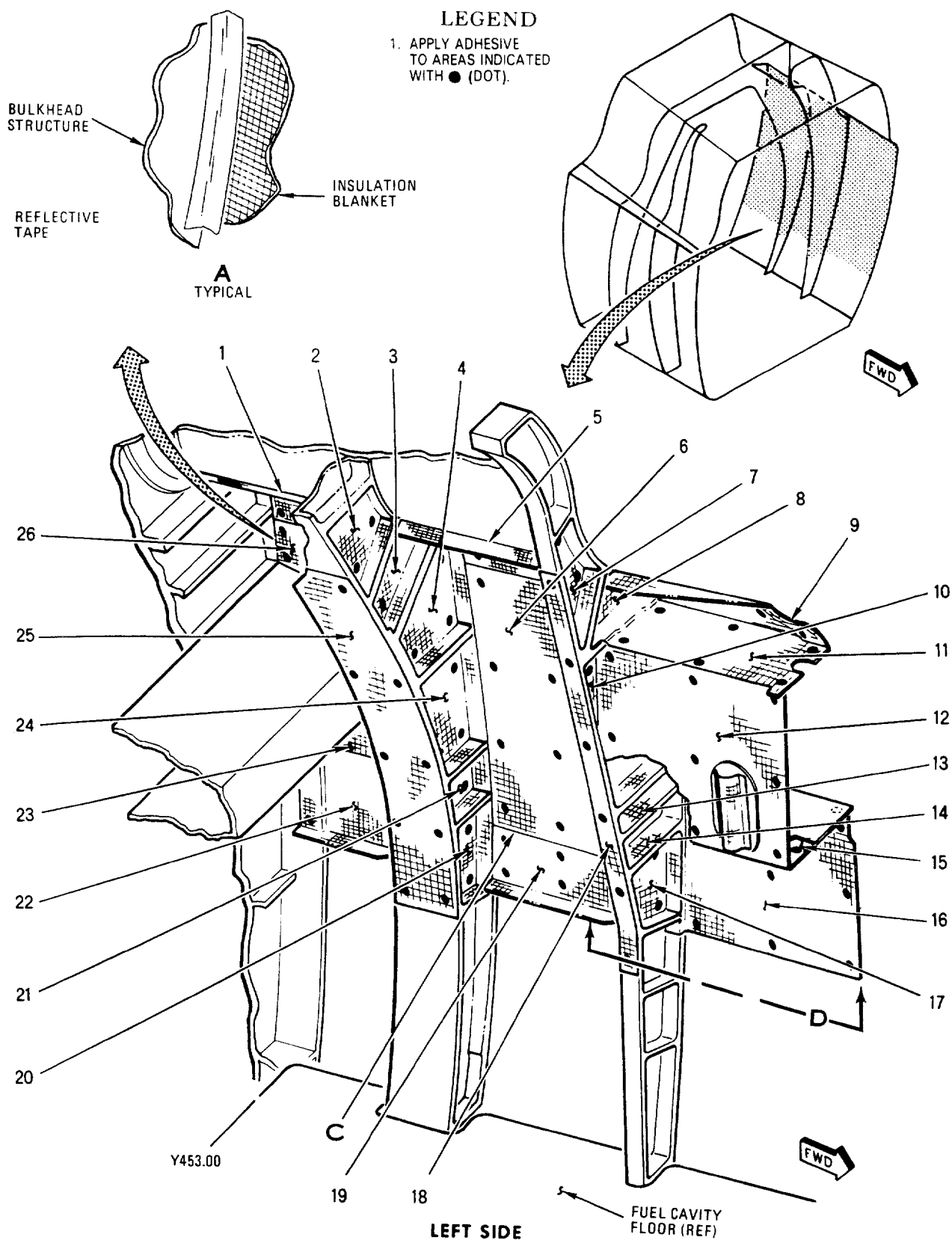
Figure 1. No. 3 Fuel Tank Cavity Thermal Blankets - 161353 THRU 161741 (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 3 FUEL TANK CAVITY THERMAL			
		BLANKETS - 161353 THRU 161741			
1	74A586660-2215	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
2	74A586660-2223	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
3	74A586660-2225	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
4	74A586660-2227	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
5	74A586660-2213	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
6	74A586660-1087	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1039)	1		XBOZZ
7	74A586660-2255	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
8	74A586660-2257	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
9	74A586660-2245	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
10	74A586660-2259	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
11	74A586660-2247	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-2147)	1		XBOZZ
12	74A586660-2249	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
13	74A586660-2251	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
14	74A586660-2261	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
15	74A586660-2253	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
16	74A586660-2263	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
17	74A586660-2250	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
18	74A586660-2243	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
19	74A586660-2233	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
20	74A586660-2231	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
21	74A586660-2219	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
22	74A586660-1085	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1019)	1		XBOZZ
23	74A586660-2229	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
24	74A586660-2221	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	2		XBOZZ
25	74A586660-1021	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	2		XBOZZ
26	74A586660-2217	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
27	74A586660-2237	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ

Figure 1. No. 3 Fuel Tank Cavity Thermal Blankets - 161353 THRU 161741 (Sheet 5)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
28	74A586660-2235	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
29	74A586660-2241	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
30	74A586660-2239	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
31	74A586660-2218	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
32	74A586660-2216	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
33	74A586660-1088	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1040)	1		XBOZZ
34	74A586660-2242	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
35	74A586660-2236	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
36	74A586660-2240	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
37	74A586660-2238	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
38	74A586660-2254	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
39	74A586660-1086	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1019)	1		XBOZZ
40	74A586660-2256	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
41	74A586660-2244	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
42	74A586660-2246	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
43	74A586660-2248	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
44	74A586660-2234	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
45	74A586660-2220	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
46	74A586660-2214	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
47	74A586660-2212	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
48	74A586660-2222	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
49	74A586660-2224	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
50	74A586660-2252	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
51	74A586660-2232	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
52	74A586660-2230	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
53	74A586660-2228	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
54	74A586660-2226	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ

Figure 1. No. 3 Fuel Tank Cavity Thermal Blankets - 161353 THRU 161741 (Sheet 6)



36010201

Figure 2. No. 3 Fuel Tank Cavity Thermal Blankets - 161742 AND UP (Sheet 1)

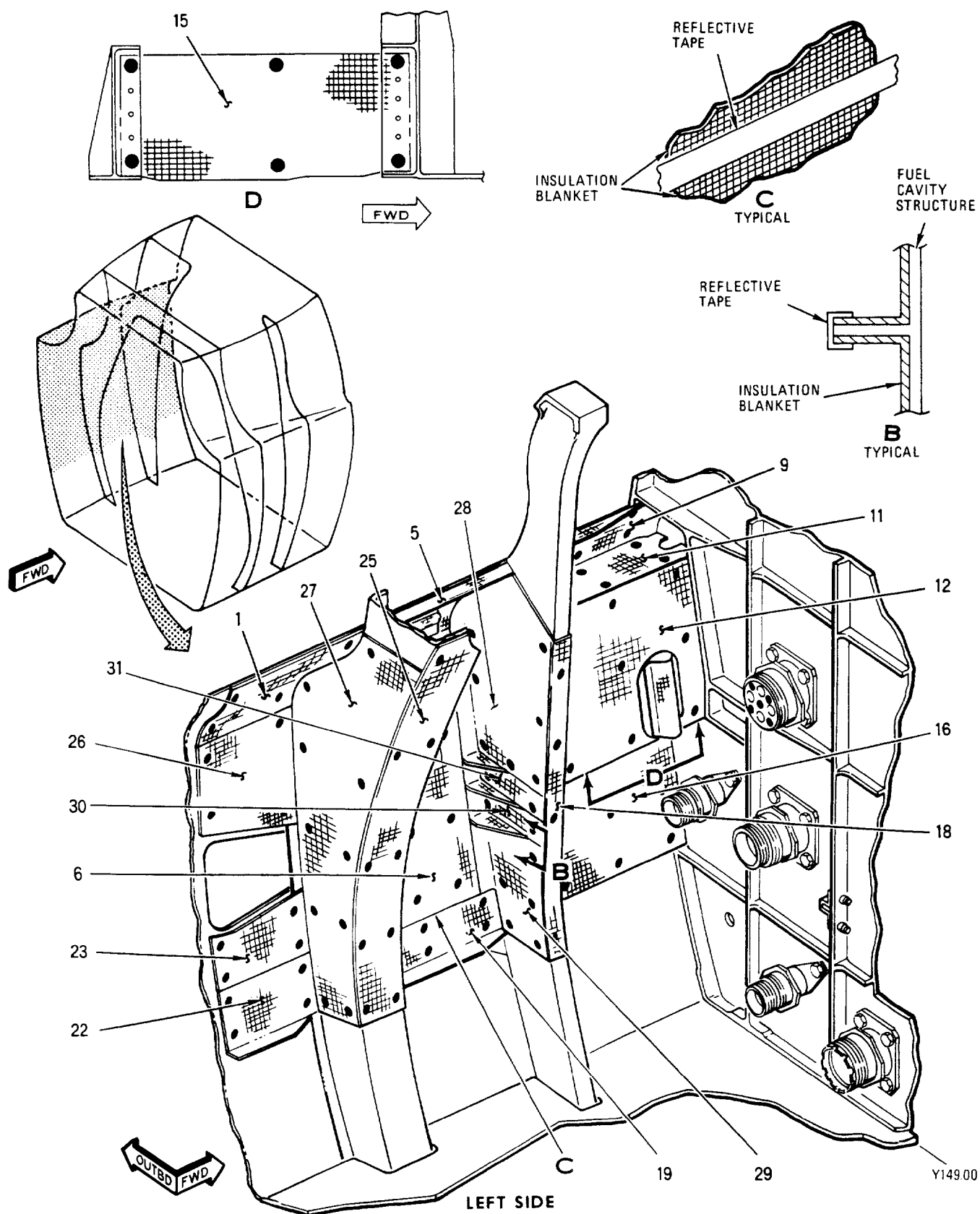
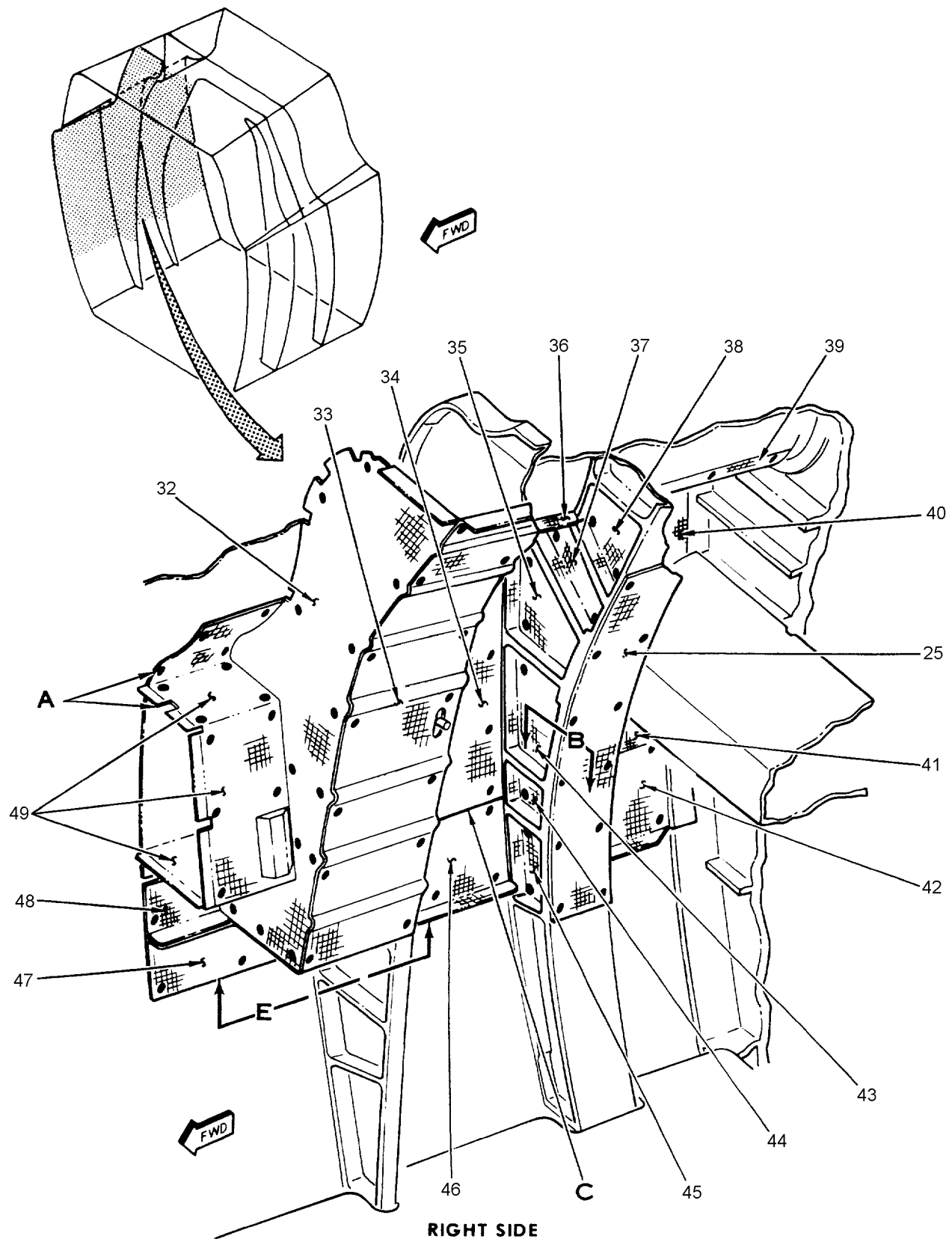
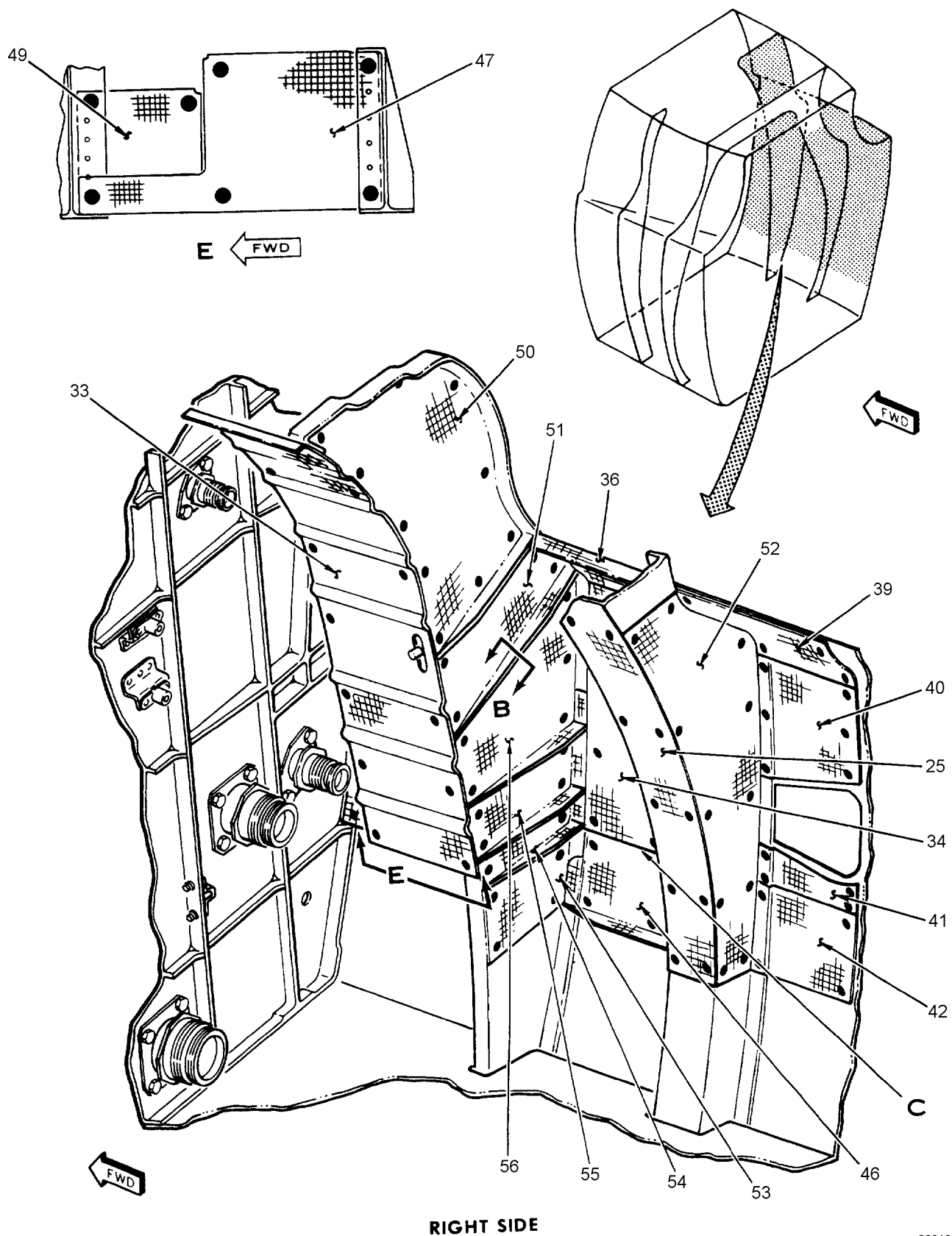


Figure 2. No. 3 Fuel Tank Cavity Thermal Blankets - 161742 AND UP (Sheet 2)



36010203

Figure 2. No. 3 Fuel Tank Cavity Thermal Blankets - 161742 AND UP (Sheet 3)



36010204

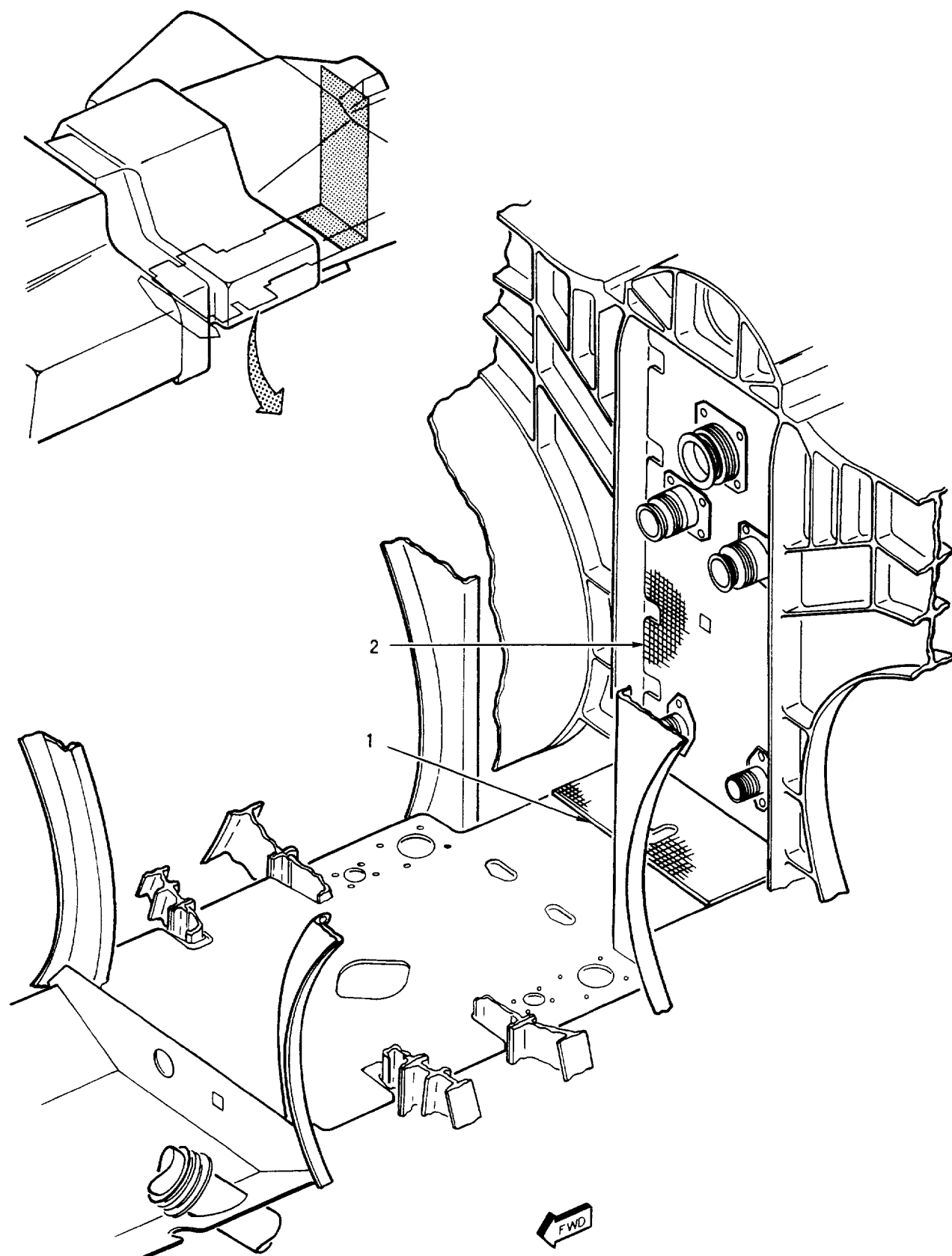
Figure 2. No. 3 Fuel Tank Cavity Thermal Blankets - 161742 AND UP (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 3 FUEL TANK CAVITY THERMAL			
		BLANKETS - 161742 AND UP			
1	74A586660-2325	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
2	74A586660-1083	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
3	74A586660-1081	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
4	74A586660-1079	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
5	74A586660-2367	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
6	74A586660-1087	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1039)	1		XBOZZ
7	74A586660-1055	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
8	74A586660-1053	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
9	74A586660-2343	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
10	74A586660-1051	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
11	74A586660-2471	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
12	74A586660-2479	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
13	74A586660-1049	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
14	74A586660-1047	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
15	74A586660-2339	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
16	74A586660-2253	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
17	74A586660-1045	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
18	74A586660-2473	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
19	74A586660-2477	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
20	74A586660-1073	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
21	74A586660-1075	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
22	74A586660-2365	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
23	74A586660-1085	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1019)	1		XBOZZ
24	74A586660-1077	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
25	74A586660-2469	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	2		XBOZZ
26	74A586660-2475	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
27	74A586660-2482	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
28	74A586660-2491	. INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ

Figure 2. No. 3 Fuel Tank Cavity Thermal Blankets - 161742 AND UP (Sheet 5)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
29	74A586660-2351	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
30	74A586660-1059	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
31	74A586660-1061	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
32	74A586660-2483	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
33	74A586660-2361	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
34	74A586660-1088	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1040)	1		XBOZZ
35	74A586660-1080	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
36	74A586660-2368	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
37	74A586660-1082	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
38	74A586660-1084	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
39	74A586660-2325	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
40	74A586660-2476	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
41	74A586660-1086	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301) (SUPERSEDES 74A586660-1019)	1		XBOZZ
42	74A586660-2366	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
43	74A586660-1078	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
44	74A586660-1076	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
45	74A586660-1074	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
46	74A586660-2341	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
47	74A586660-2485	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
48	74A586660-2327	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
49	74A586660-2359	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
50	74A586660-2493	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
51	74A586660-2489	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
52	74A586660-2481	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
53	74A586660-2487	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
54	74A586660-1065	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
55	74A586660-1067	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ
56	74A586660-2355	.						INSULATION BLANKET, THERMAL - FUEL SYSTEM (76301)	1		XBOZZ

Figure 2. No. 3 Fuel Tank Cavity Thermal Blankets - 161742 AND UP (Sheet 6)

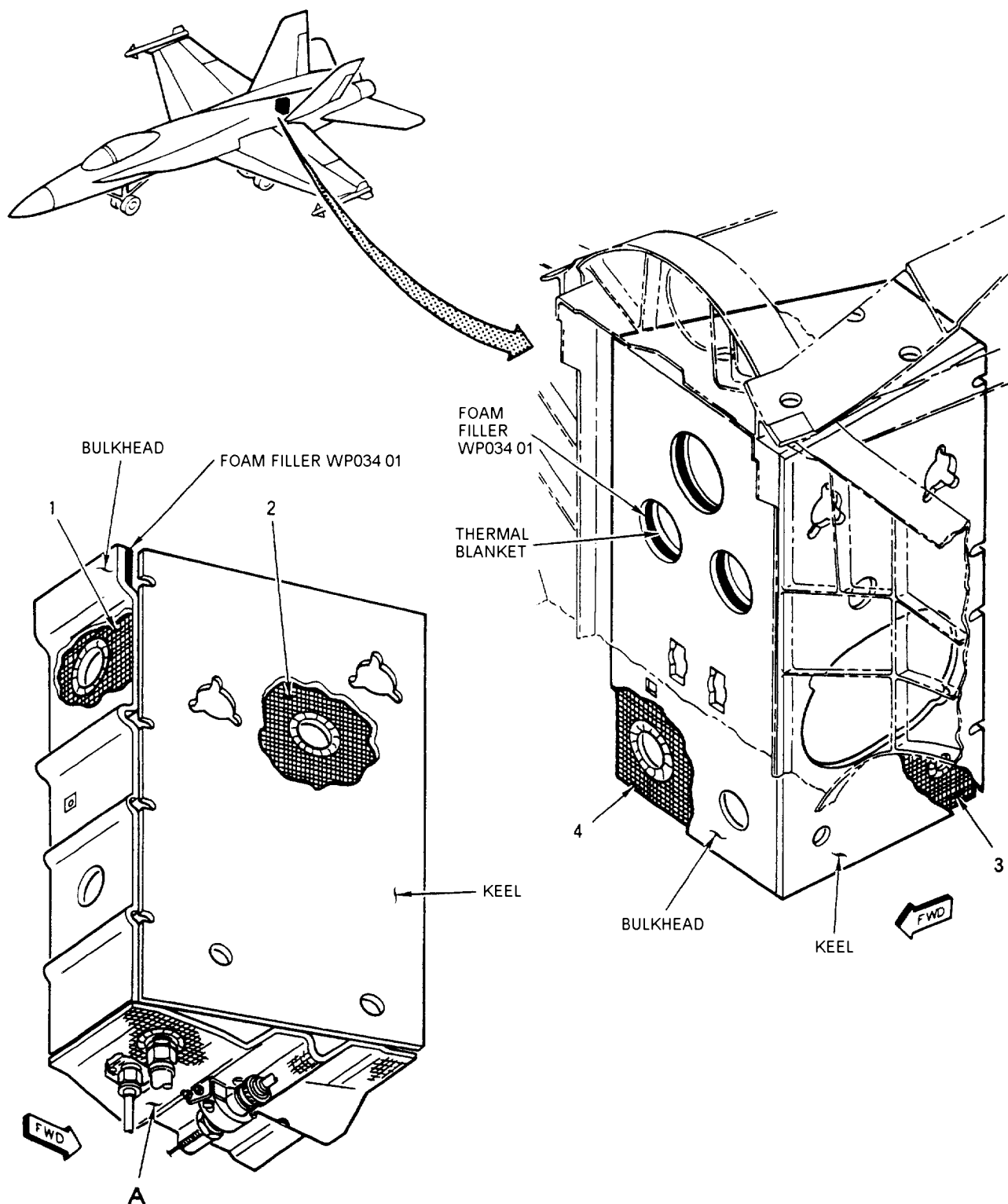


36010301

Figure 3. No. 4 Fuel Tank Cavity Thermal Blankets (Sheet 1)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		NO. 4 FUEL TANK CAVITY THERMAL BLANKETS . . .									
1	74A586660-1091	.							1		XBOZZ
		(SUPERSEDES 74A586660-1043 AND 74A586660 1037)									
2	74A586660-2467	.							1		XBOZZ
		(SUPERSEDES 74A586660-1041)									

Figure 3. No. 4 Fuel Tank Cavity Thermal Blankets (Sheet 2)



36010401

Figure 4. Vent Tank Cavity Thermal Blankets (Sheet 1)

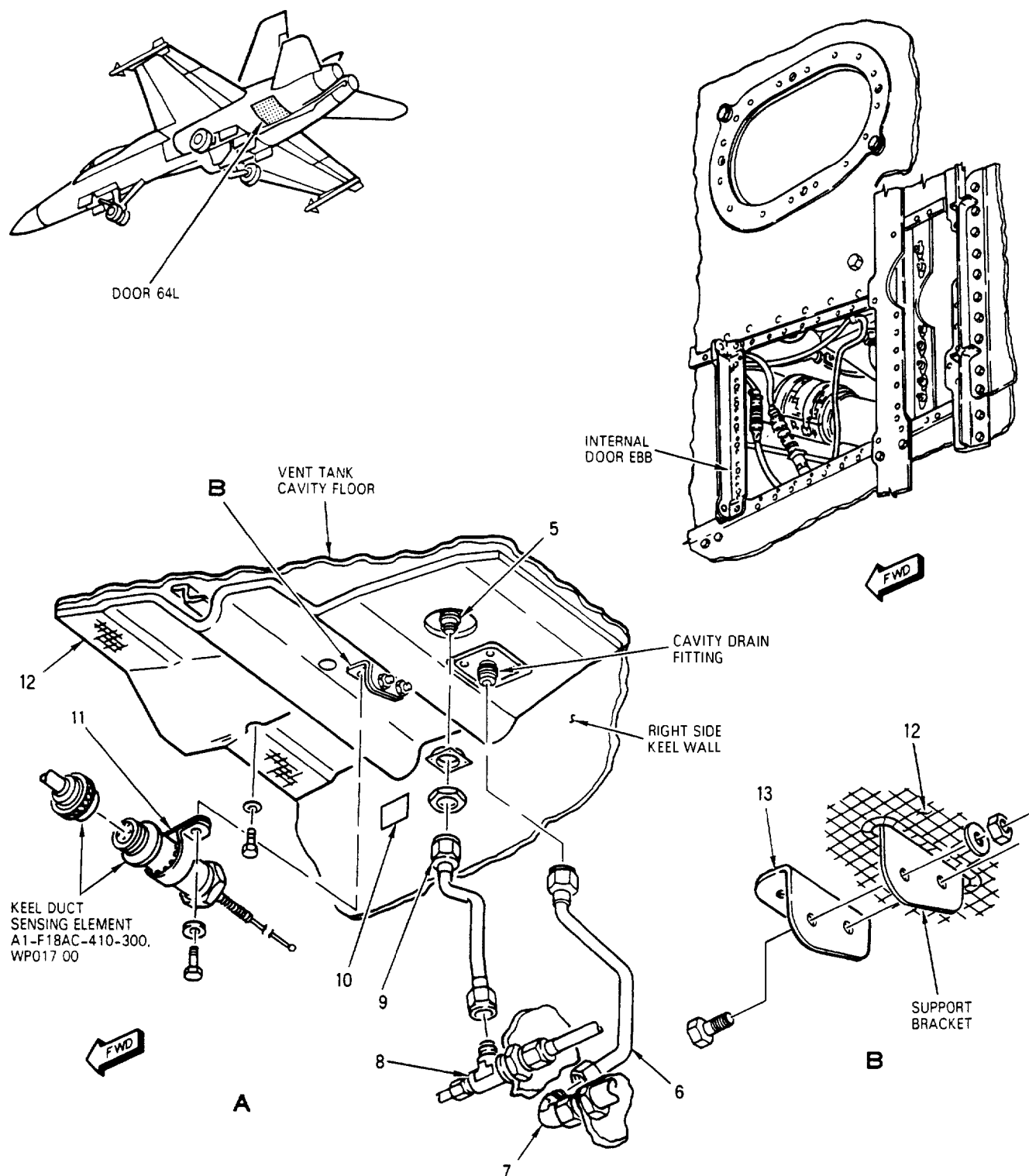


Figure 4. Vent Tank Cavity Thermal Blankets (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		VENT TANK CAVITY THERMAL BLANKETS			
1	74A586660-1001	. INSULATION BLANKET, THERMAL (AFT) (76301)	1		PAOZZ
2	74A586660-1031 @	. INSULATION BLANKET, THERMAL (RIGHT. SIDE) (76301)	1		XBOZZ
3	74A586660-1029 @	. INSULATION BLANKET, THERMAL (LEFT. SIDE) (76301)	1		PAOZZ
4	74A586660-1035 @	. INSULATION BLANKET, THERMAL (FWD). (76301)	1		PAOZZ
5	74A586535-2005	. CONNECTOR, FUEL LINE VENT TANK (76301) . . .	1		XBOZZ
6	74A586530-1005	. TUBE ASSEMBLY, METAL - DRAIN, VENT TANK CAVITY (76301) TANK DRAIN, Y570.83 - Y573.50 (76301)	1	A	MGOZZ
	74A586530-1007	. TUBE ASSEMBLY, METAL - DRAIN, VENT TANK CAVITY (76301)	1	B	MGOZZ
	74A586530-1009	. TUBE ASSEMBLY, METAL - DRAIN, VENT TANK CAVITY (76301)	1	C	MGOZZ
7	7M148J8	. ELBOW (76301)	1		PAOZZ
8	7M118J08-04-08	. TEE (76301)	1		PAOZZ
9	74A586533-1003	. TUBE ASSEMBLY, METAL - VENT (76301). (SUPERSEDES 74A586533-1001)	1		MGOZZ
10	74A885621-2364	. MARKER, IDENTIFICATION (76301).	1		MDOZZ
11	TA12C59H16CC	. CLAMP, LOOP (84971) (MCDONNELL. SPEC 74B830108-101)	1		PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960C10L	. WASHER	1		PAOZZ
12	74A586660-1033 @	. INSULATION BLANKET, THERMAL. (BOTTOM) (76301)	1		PAOZZ
13	74A837037-1063	. BRACKET ASSY (76301).	1		XBOOO
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960C10L	. WASHER (AP)	2		PAOZZ
	MS21061L3	. NUT, PLATE (USE WITH INDEX 13).	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-

@ MUST BE USED WITH 62005-3 TANK.

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

CODE	USABLE ON	MODEL
A	161353 THRU 161358	F/A-18A/B
B	161359 THRU 161723	F/A-18A/B
C	161724 & UP	F/A-18A/B

Figure 4. Vent Tank Cavity Thermal Blankets (Sheet 3)

ORGANIZATIONAL MAINTENANCE**SYSTEM MAINTENANCE WITH IPB****FUEL TANK CAVITY REPAIR****FUEL STORAGE SYSTEM****Reference Material**

Fuel System	A1-F18AC-460-310
Fuel Tank Maintenance	WP013 00
No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports	WP040 00
No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	WP041 00
No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports	WP042 00
No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports	WP043 00
Vent Tank Cavity Bulkhead Fittings and Supports	WP044 00

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No. 2 Cavity Fitting Repair Limits, Figure 3	11
No. 3 Cavity Fitting Repair Limits, Figure 4	14
No. 4 Cavity Fitting Repair Limits, Figure 5	17
Support Equipment Required	1
Vent Tank Cavity Fitting Repair Limits, Figure 6	28

Record of Applicable Technical Directives

None

Support Equipment Required**Materials Required**

Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature
-	Slide Caliper (or equivalent)	- KIT 14-2 (CAGE 99442)	#500 Emery Cloth Corrosion Resistant
6230-00-270-5419	Electrical General Purpose Explosion Proof Lantern	CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth

1. FITTING REPAIR.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
- b. If threads or thread inserts are damaged, replace fitting or thread insert (WP's 040, 041, 042, 043 and 044 00).
- c. Replace fitting if it is cracked, distorted or bent (WP's 040, 041, 042, 043 and 044 00).
- d. Tank fitting seating surface (Figure 1) on non-protruding type bulkhead connectors must be free of contamination that would prevent proper seating on bulkhead connector.

NOTE

Steps e and f relate to the tank/cavity packing sealing surface of bulkhead fitting.

- e. If scratch or nick on packing sealing surface is more than 0.020 inch deep, replace fitting (WP's 040, 041, 042, 043 and 044 00).

- f. If scratch or nick on packing sealing surface is less than 0.020 inch, repair per substeps below: (See figure 1)

(1) Using emery cloth, smooth out scratch or nick over a 10 to 1 area. Scratch or nick should be in the center of the 10 to 1 area.

(2) After repair, measure and record diameter of fitting at location of deepest area of repair.

- (3) If diameter recorded in substep (2) is more than 0.020 smaller than fitting diameter shown on figures 2 thru 6, replace fitting.

NOTE

Fittings with more than one repair are satisfactory if criteria in substeps (4) and (5) has been satisfied.

- (4) Measure and record fitting diameter on both sides of reworked area.

- (5) If either diameter recorded in substep (4) is more than 0.020 smaller than fitting diameter shown on figures 2 thru 6, replace fitting.

- (6) Wipe reworked area with a clean cheesecloth and water.



Corrosion Resistant, KIT14-2

8

- (7) Apply a brush coat of corrosion resistant and allow solution to remain on reworked area 1 to 5 minutes.

- (8) Wipe treated area carefully with a clean cheesecloth and water using as little pressure as possible to prevent wiping off corrosion resistant.

- (9) Allow treated surface to dry.

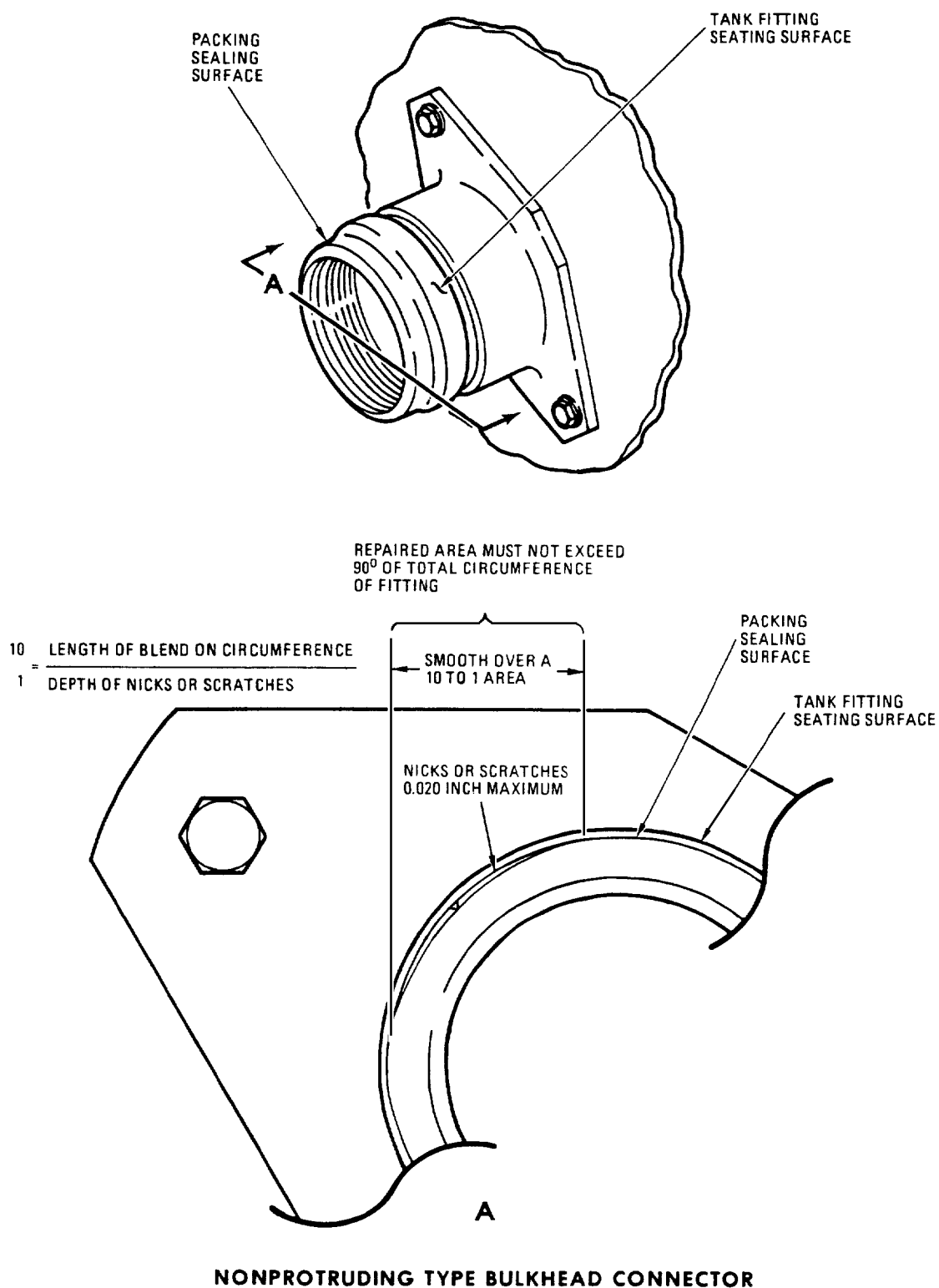
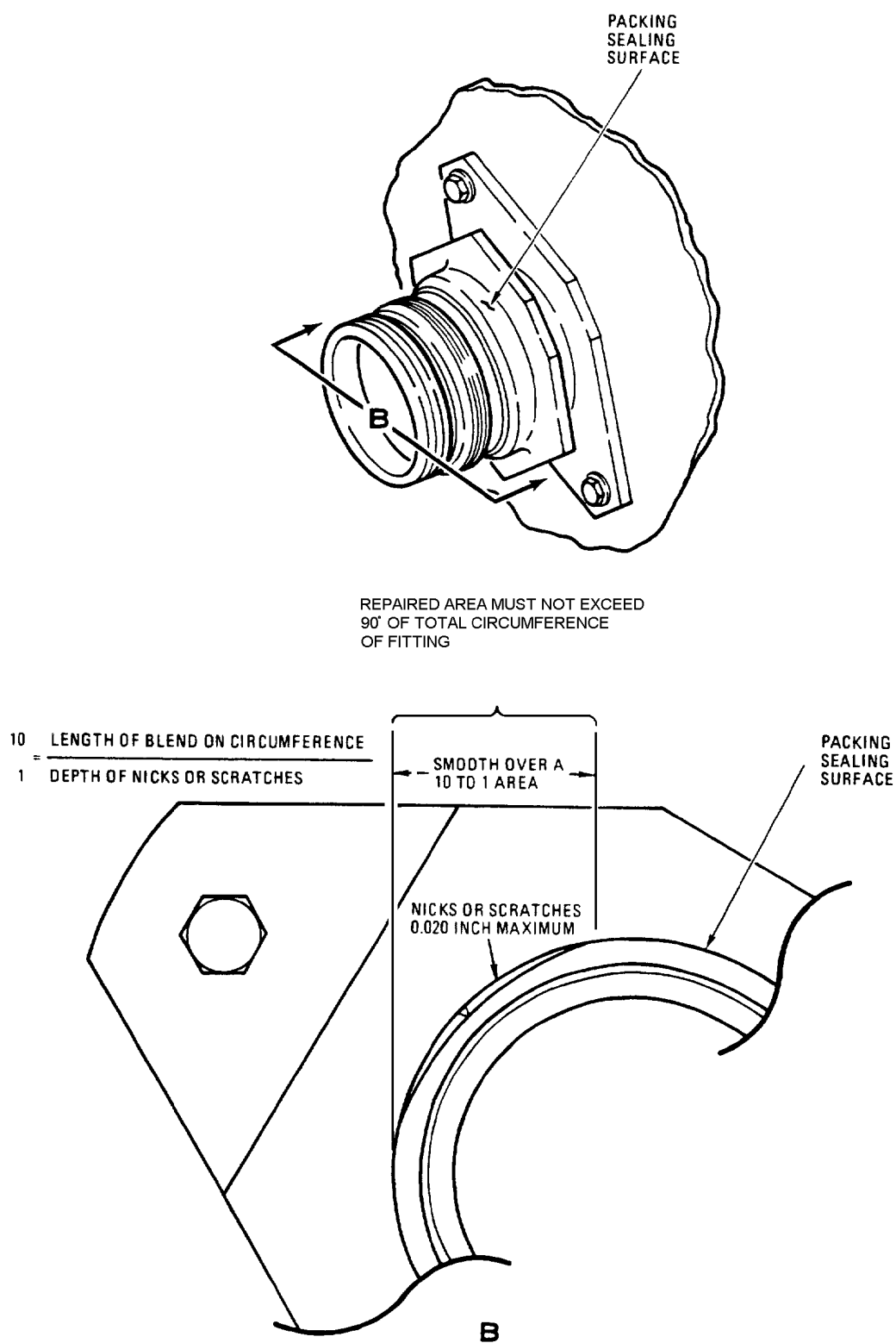


Figure 1. Cavity Fitting Repair (Sheet 1)

**PROTRUDING TYPE BULKHEAD CONNECTOR**

03800102

Figure 1. Cavity Fitting Repair (Sheet 2)

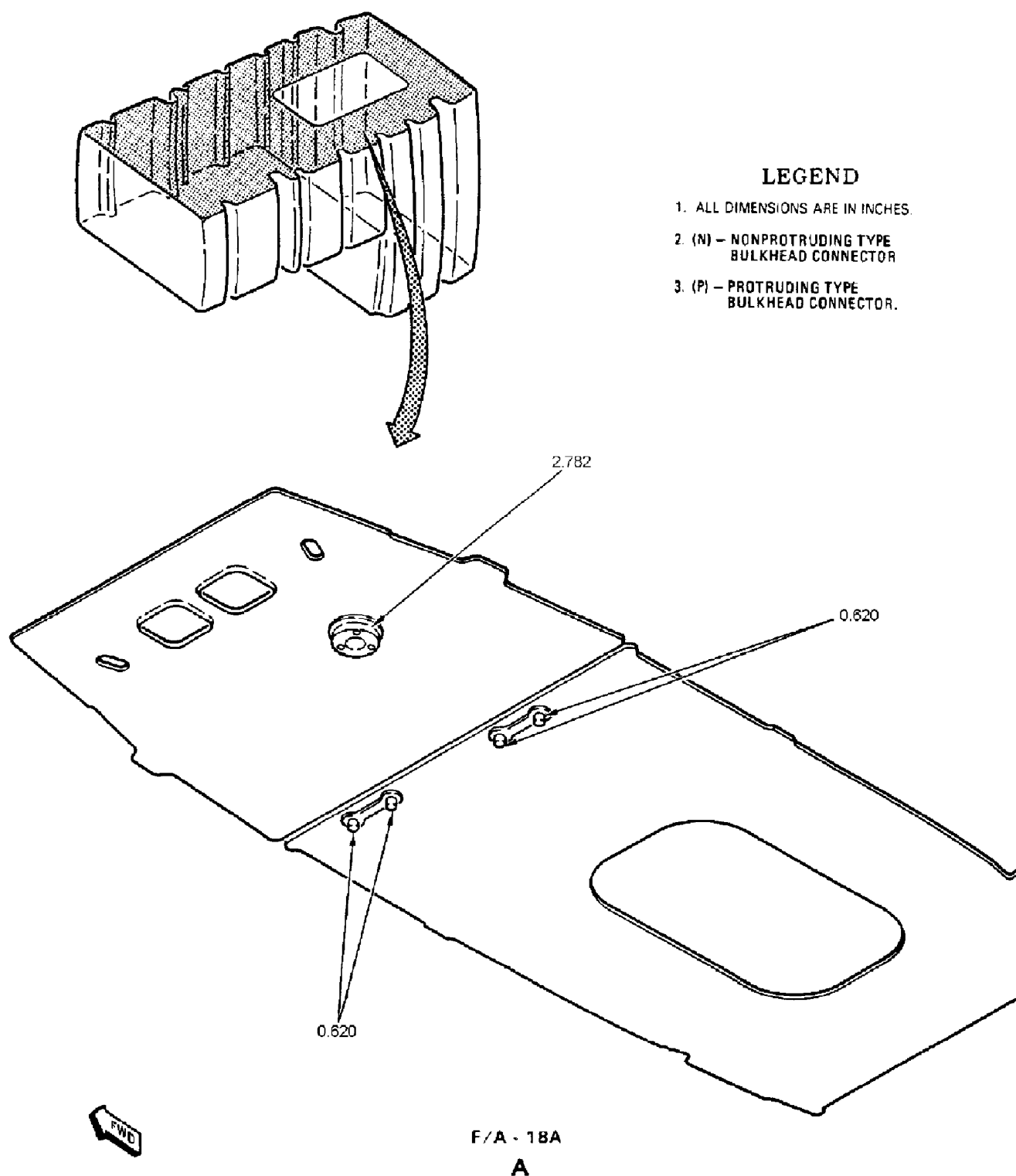
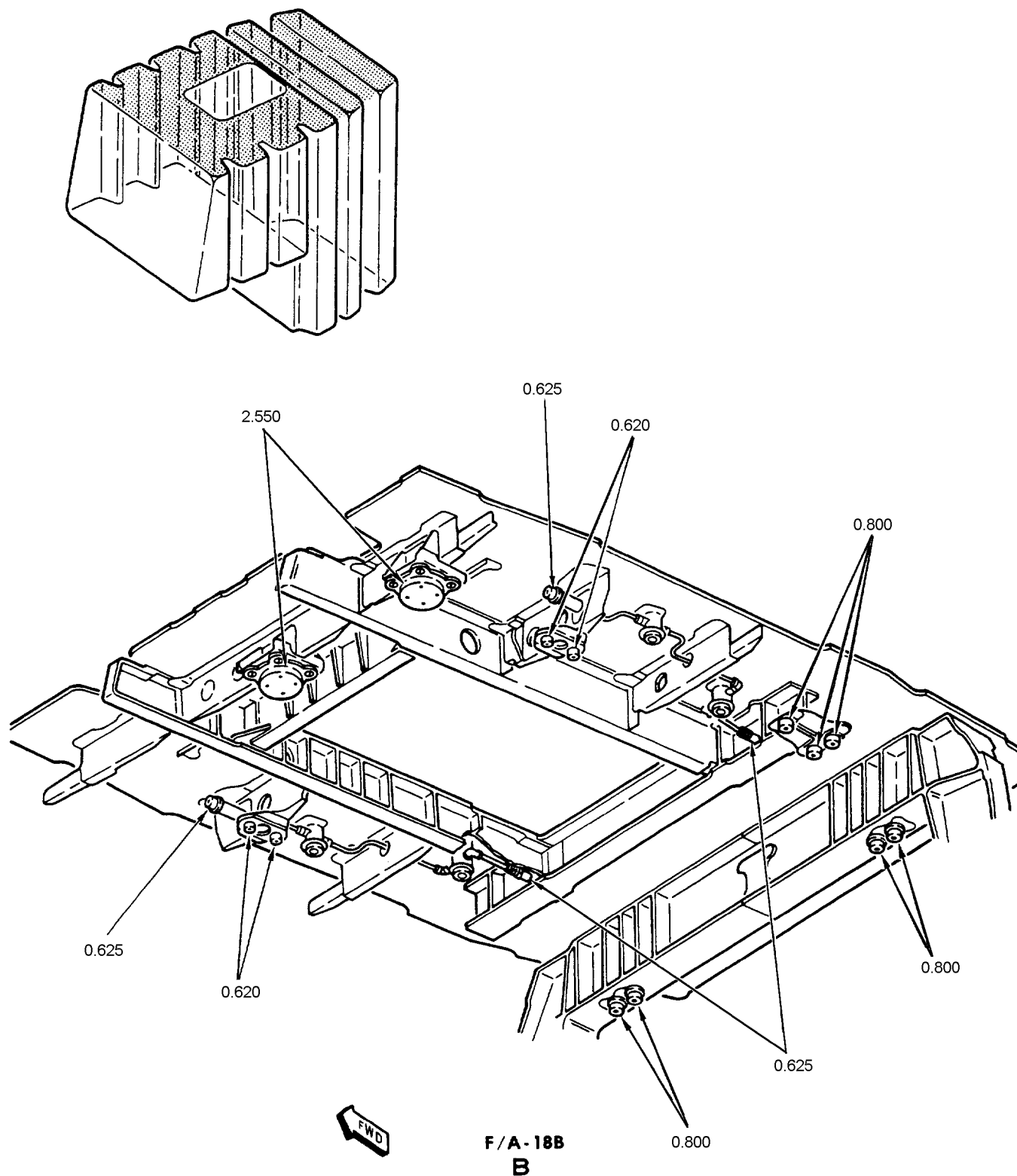


Figure 2. No. 1 Cavity Fitting Repair Limits (Sheet 1)



03800202

Figure 2. No. 1 Cavity Fitting Repair Limits (Sheet 2)

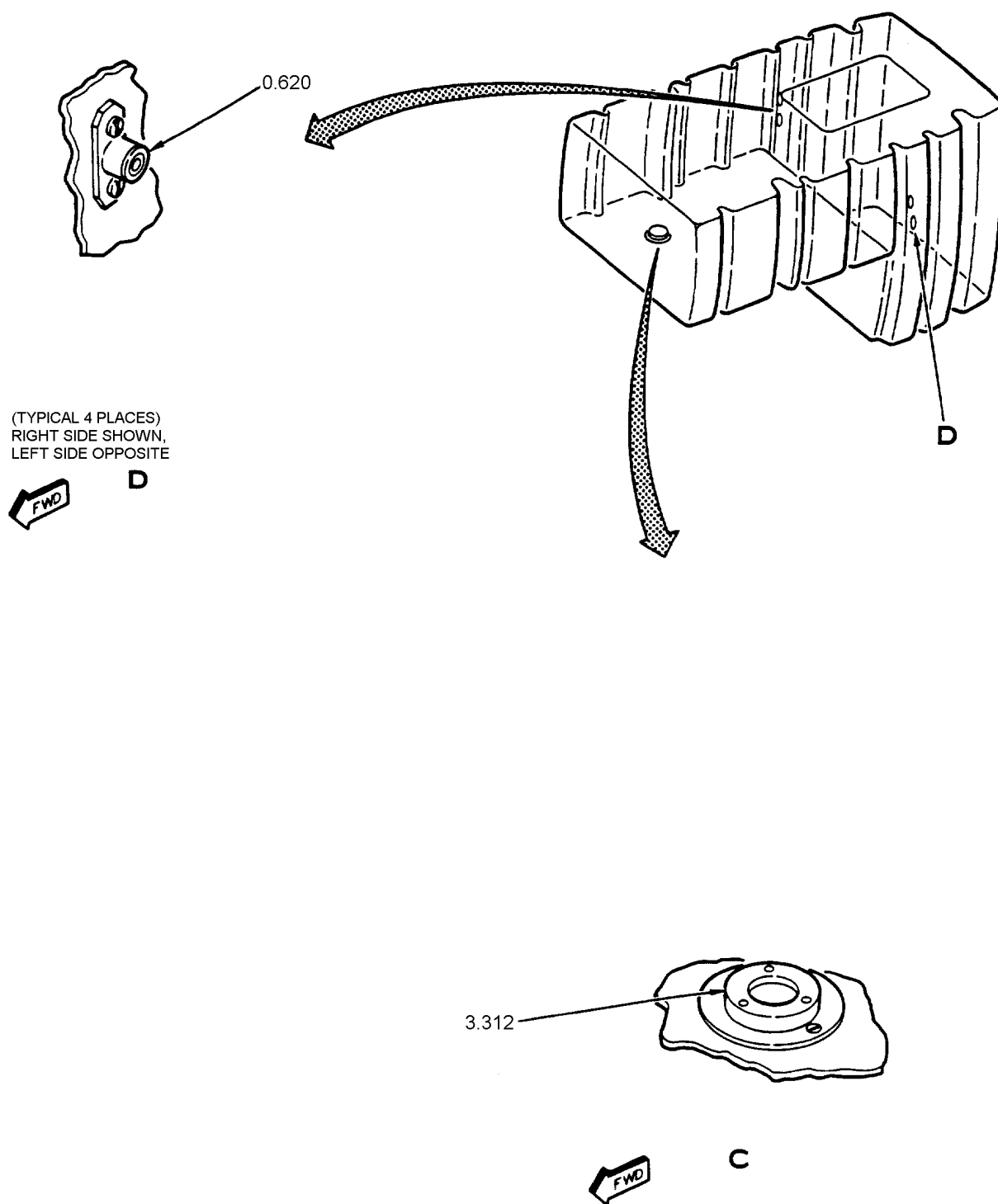
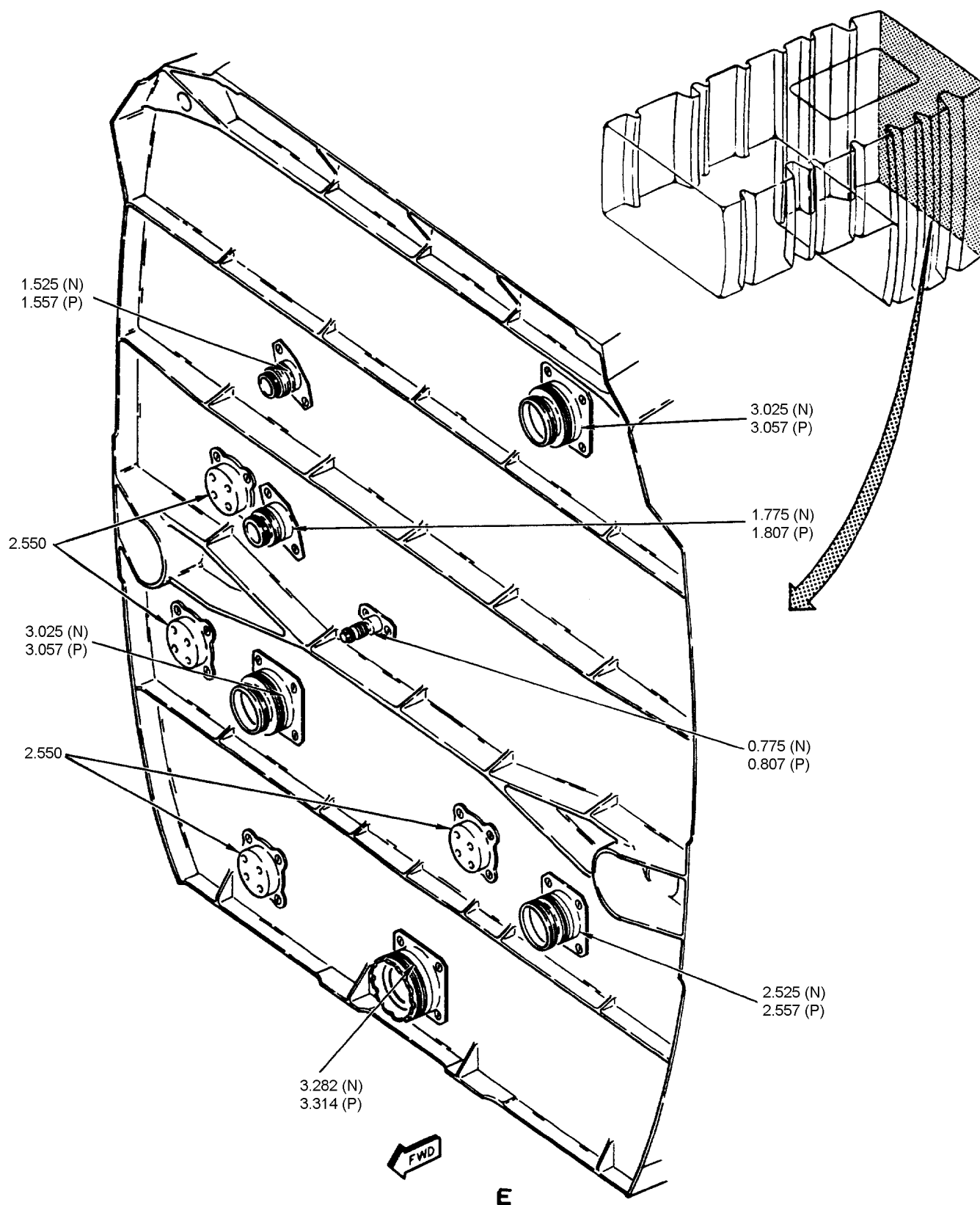
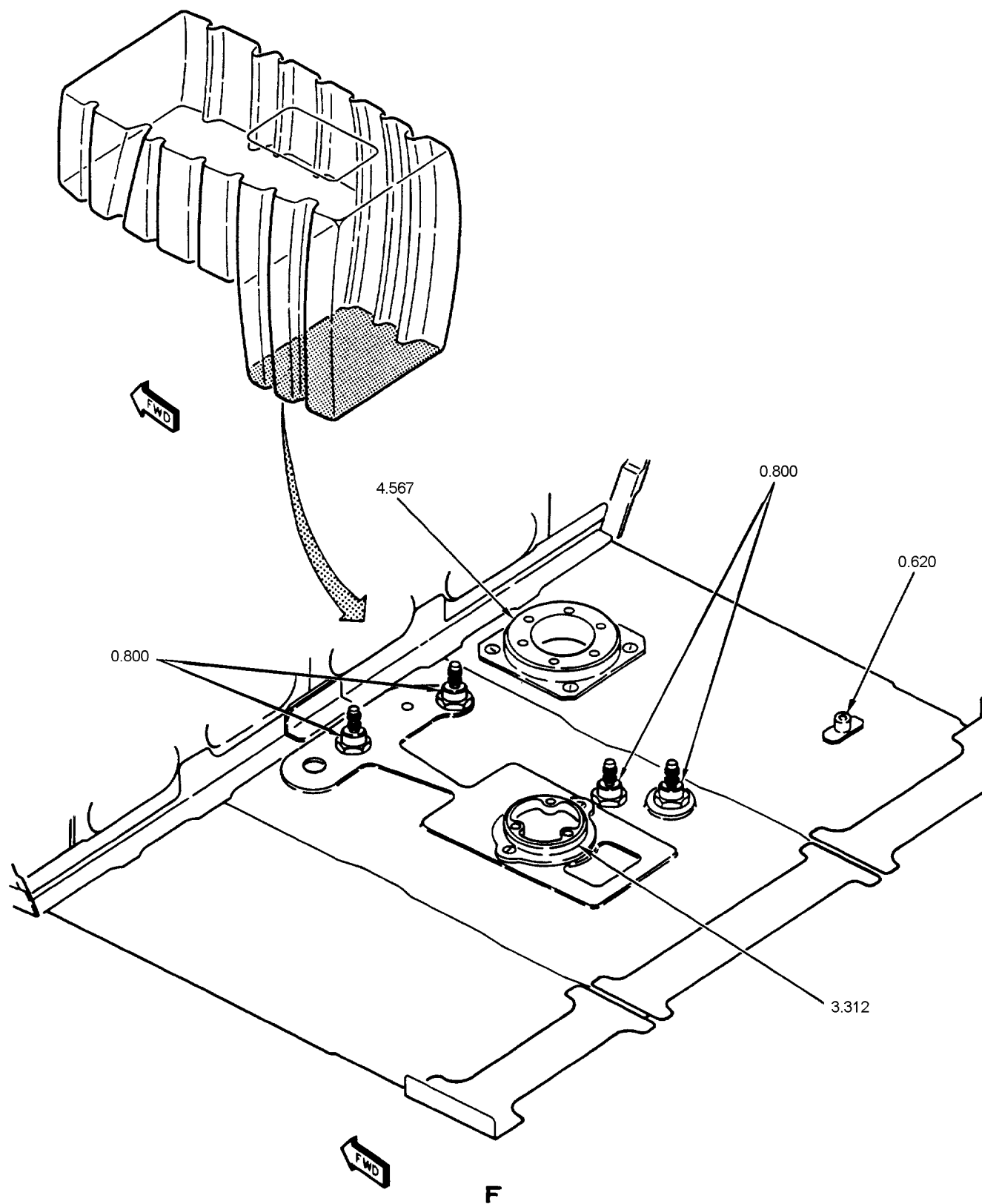


Figure 2. No. 1 Cavity Fitting Repair Limits (Sheet 3)



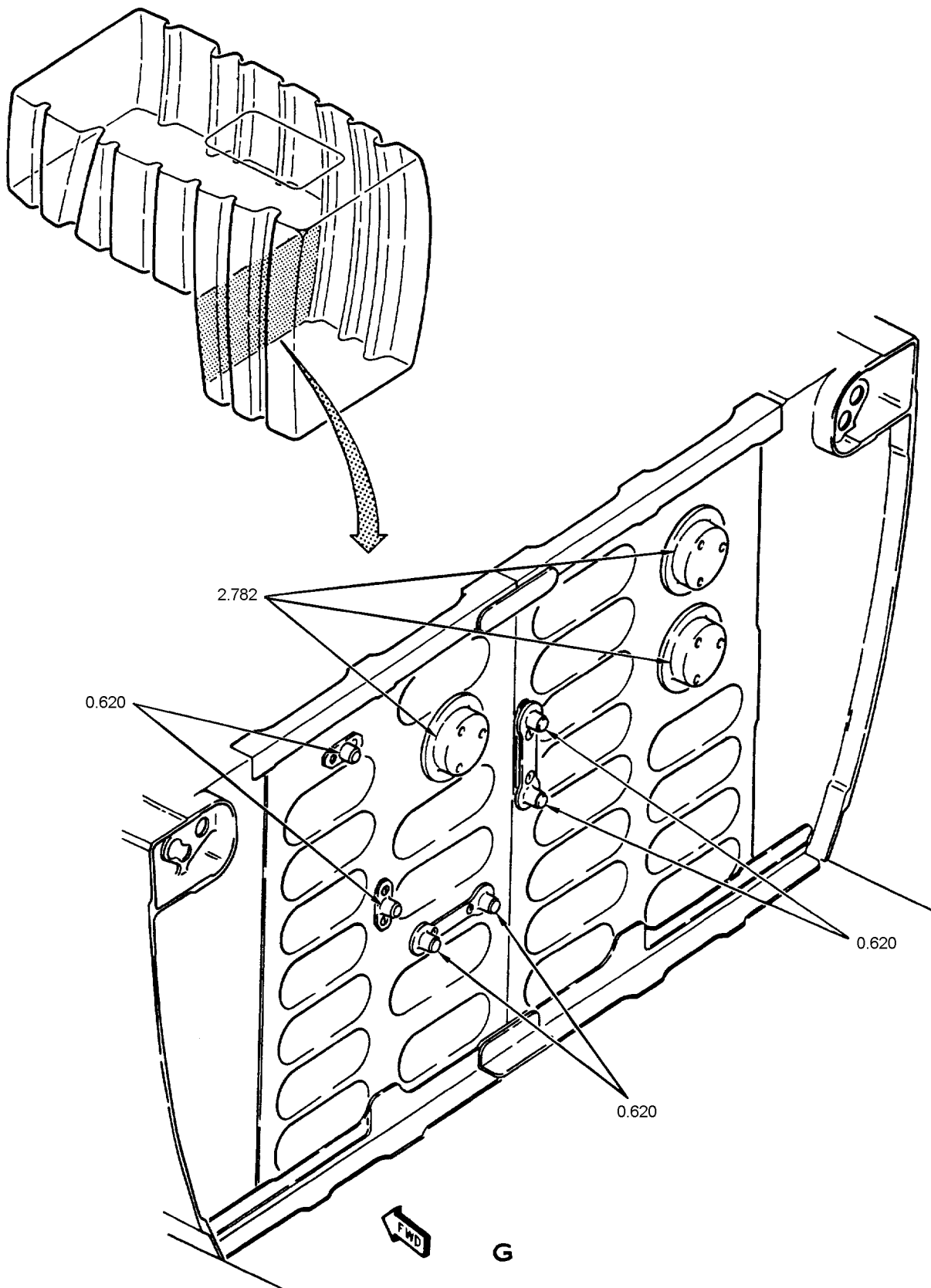
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Figure 2. No. 1 Cavity Fitting Repair Limits (Sheet 4)



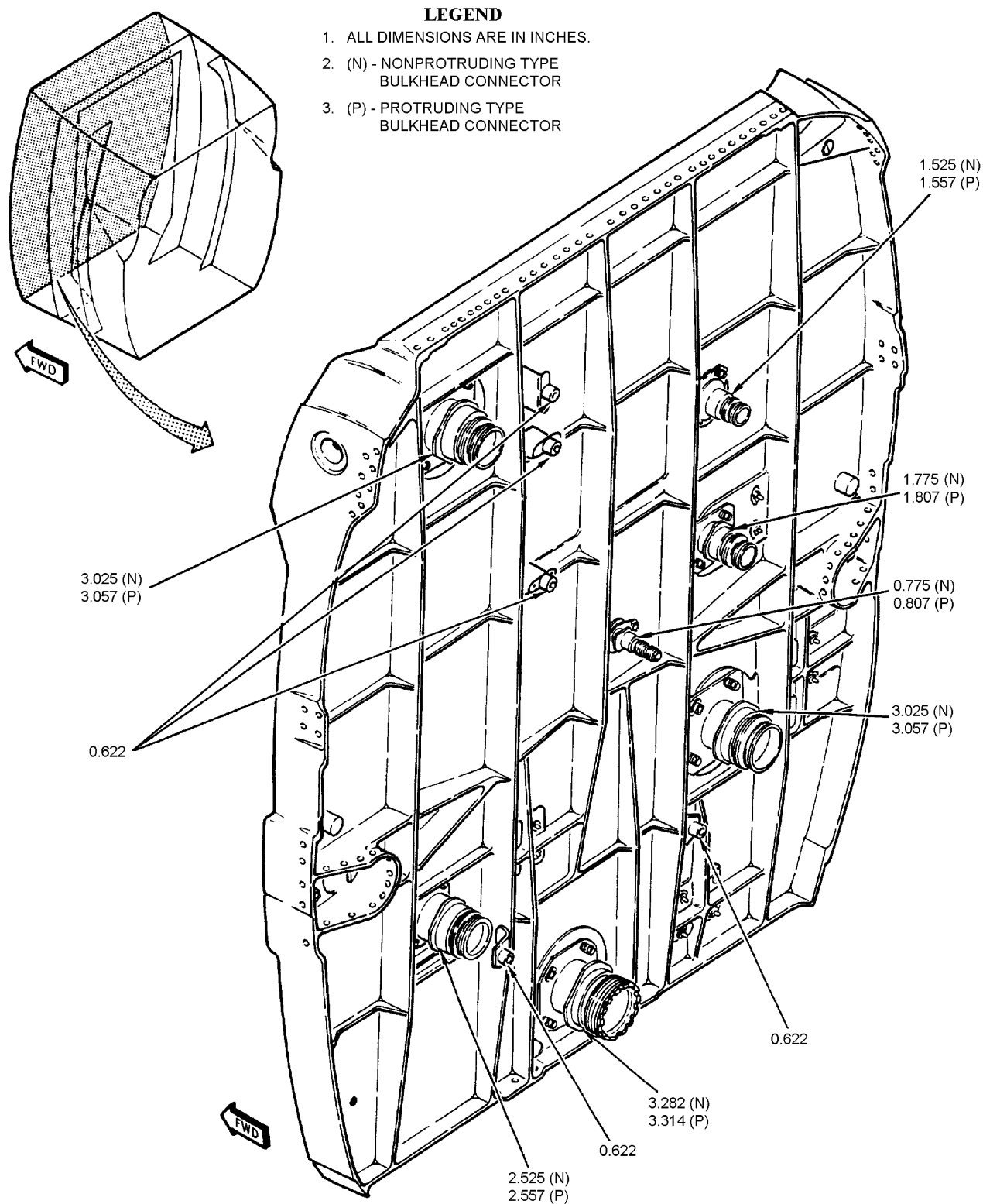
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Figure 2. No. 1 Cavity Fitting Repair Limits (Sheet 5)



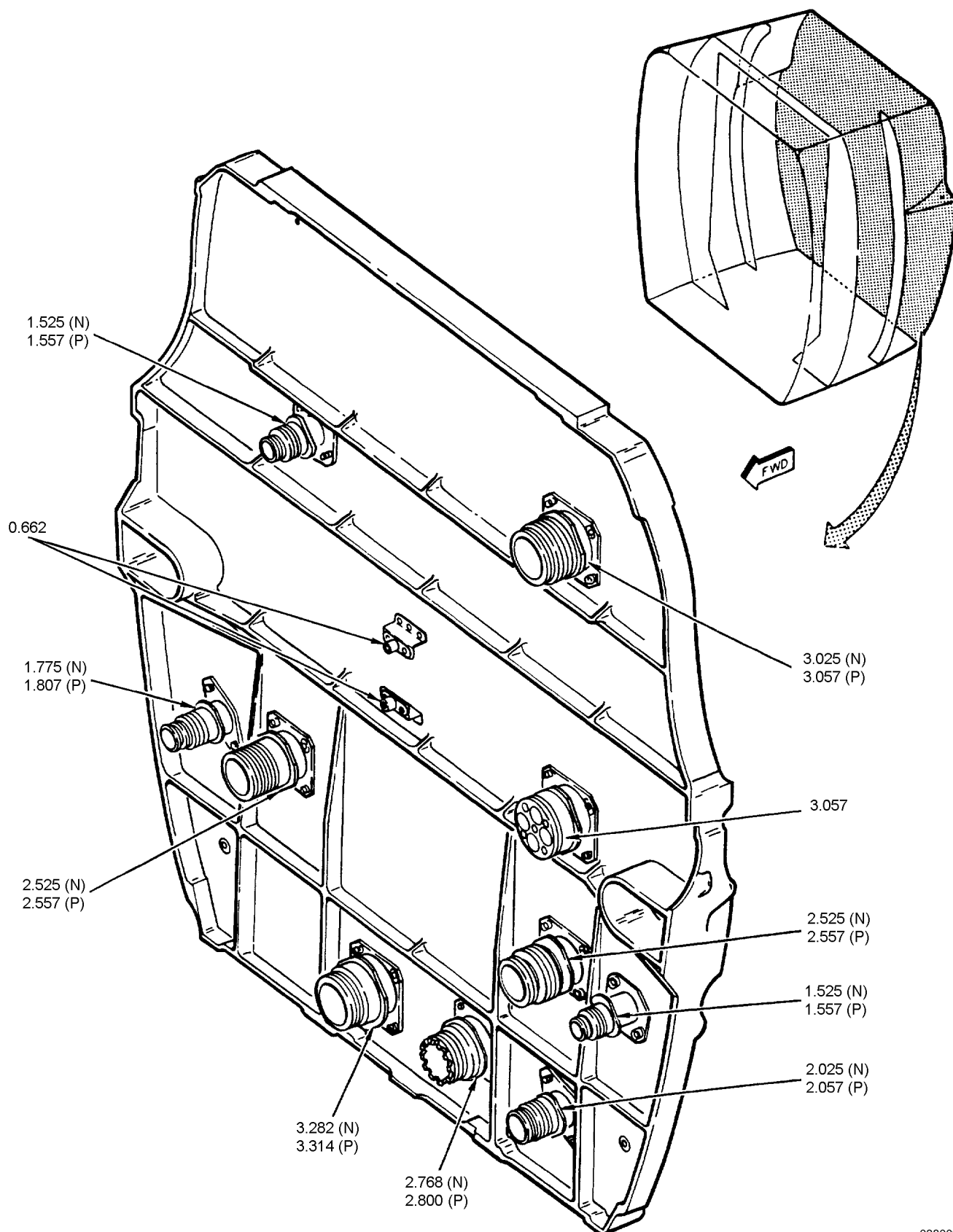
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Figure 2. No. 1 Cavity Fitting Repair Limits (Sheet 6)



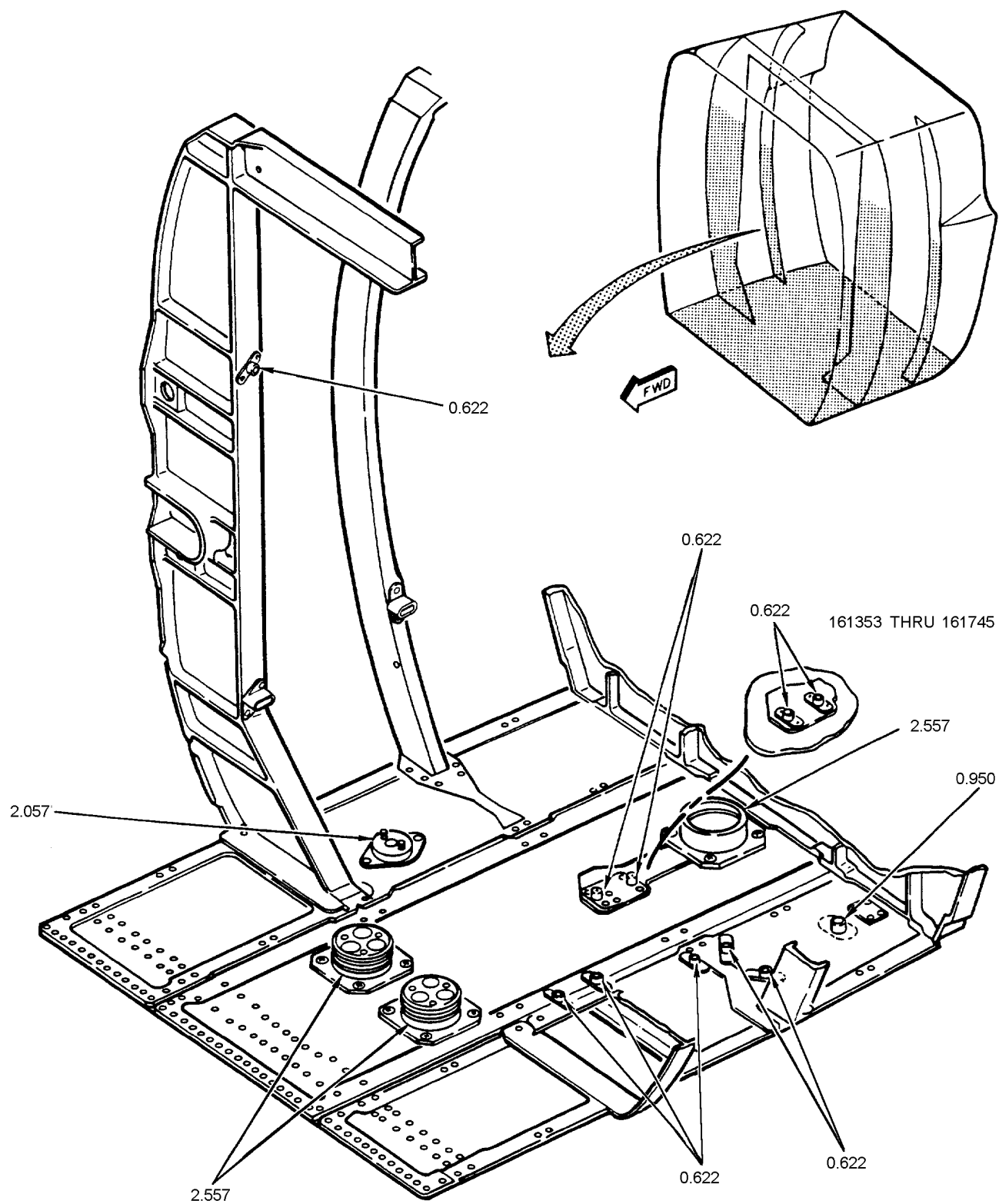
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Figure 3. No. 2 Cavity Fitting Repair Limits (Sheet 1)



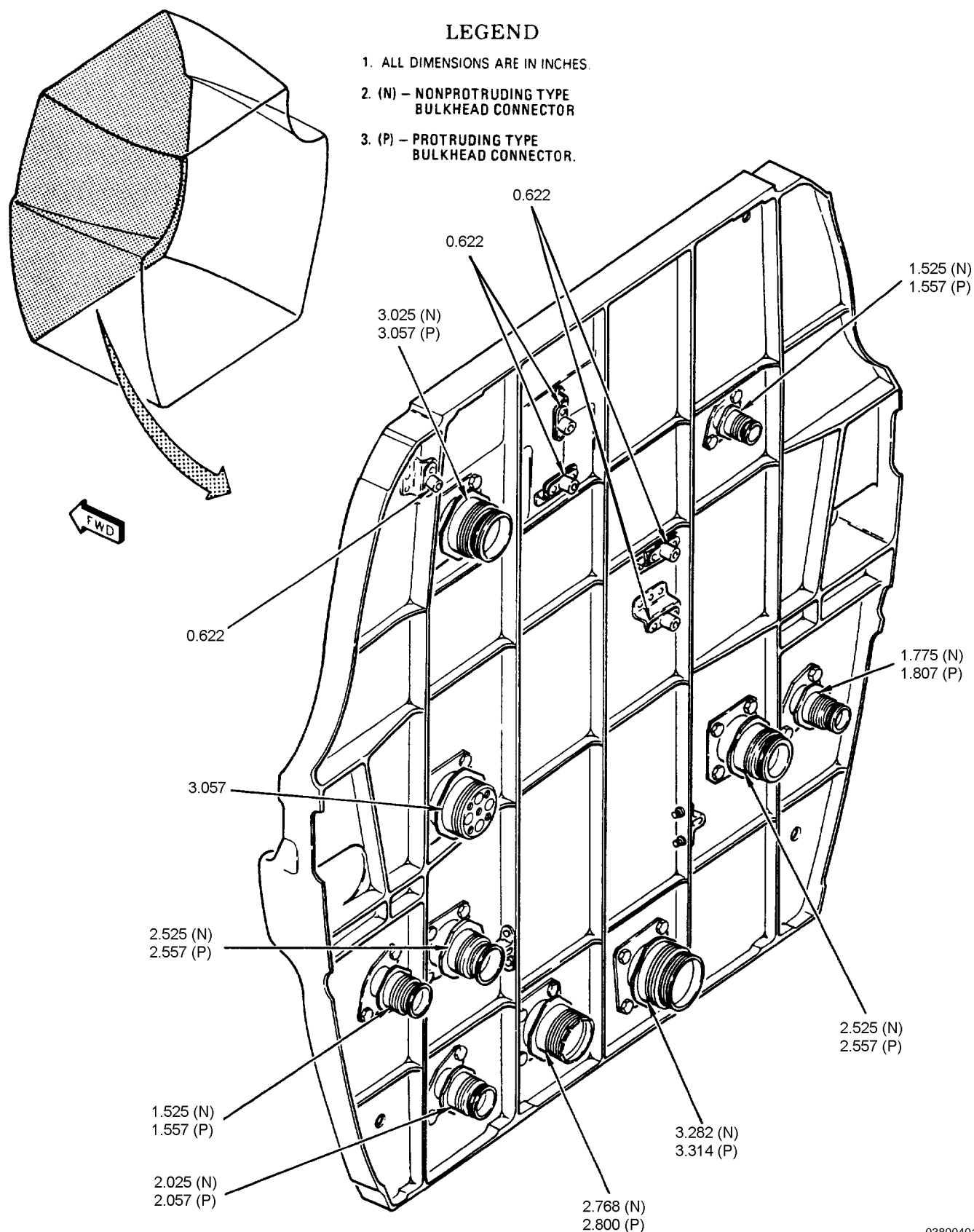
03800302

Figure 3. No. 2 Cavity Fitting Repair Limits (Sheet 2)



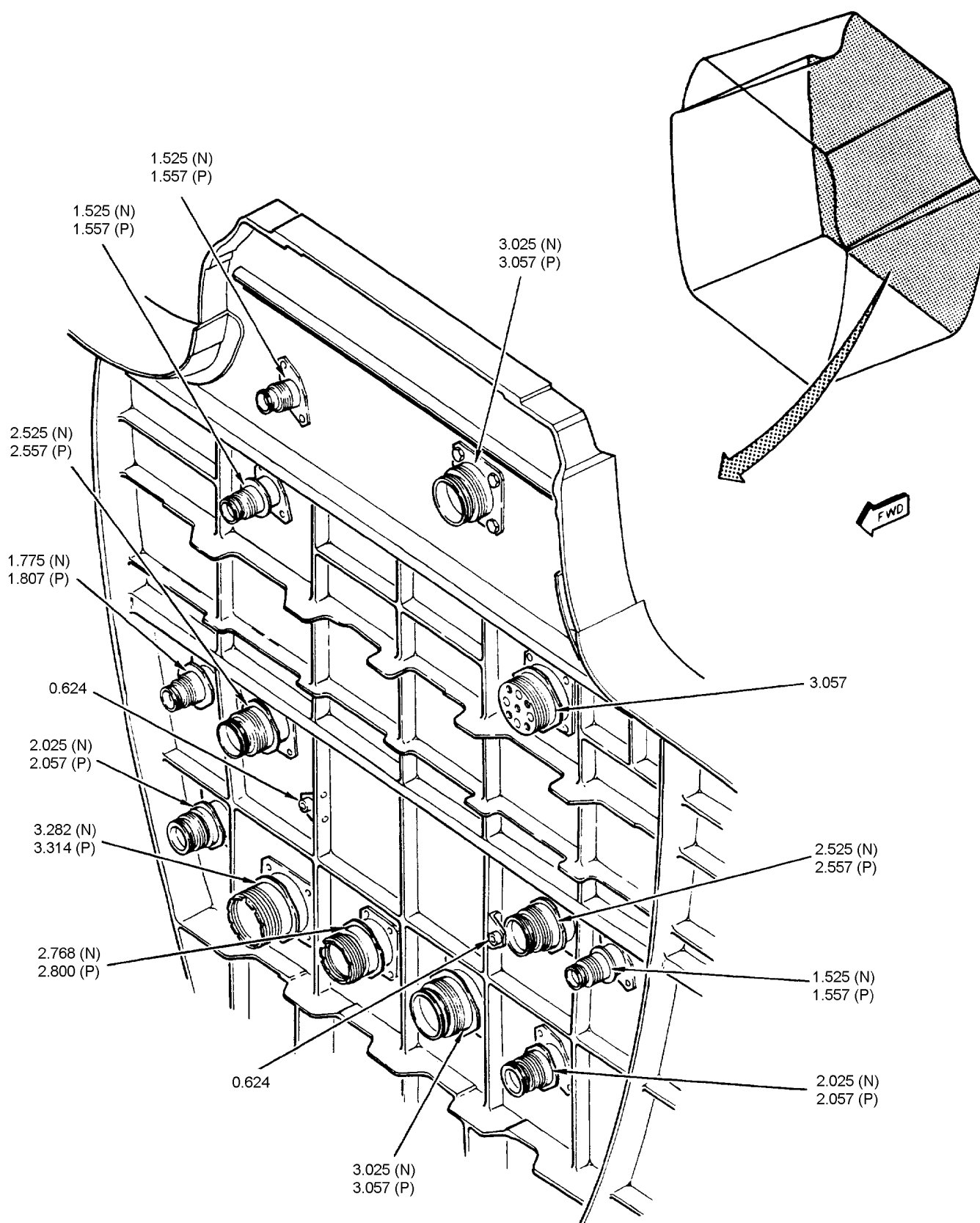
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Figure 3. No. 2 Cavity Fitting Repair Limits (Sheet 3)



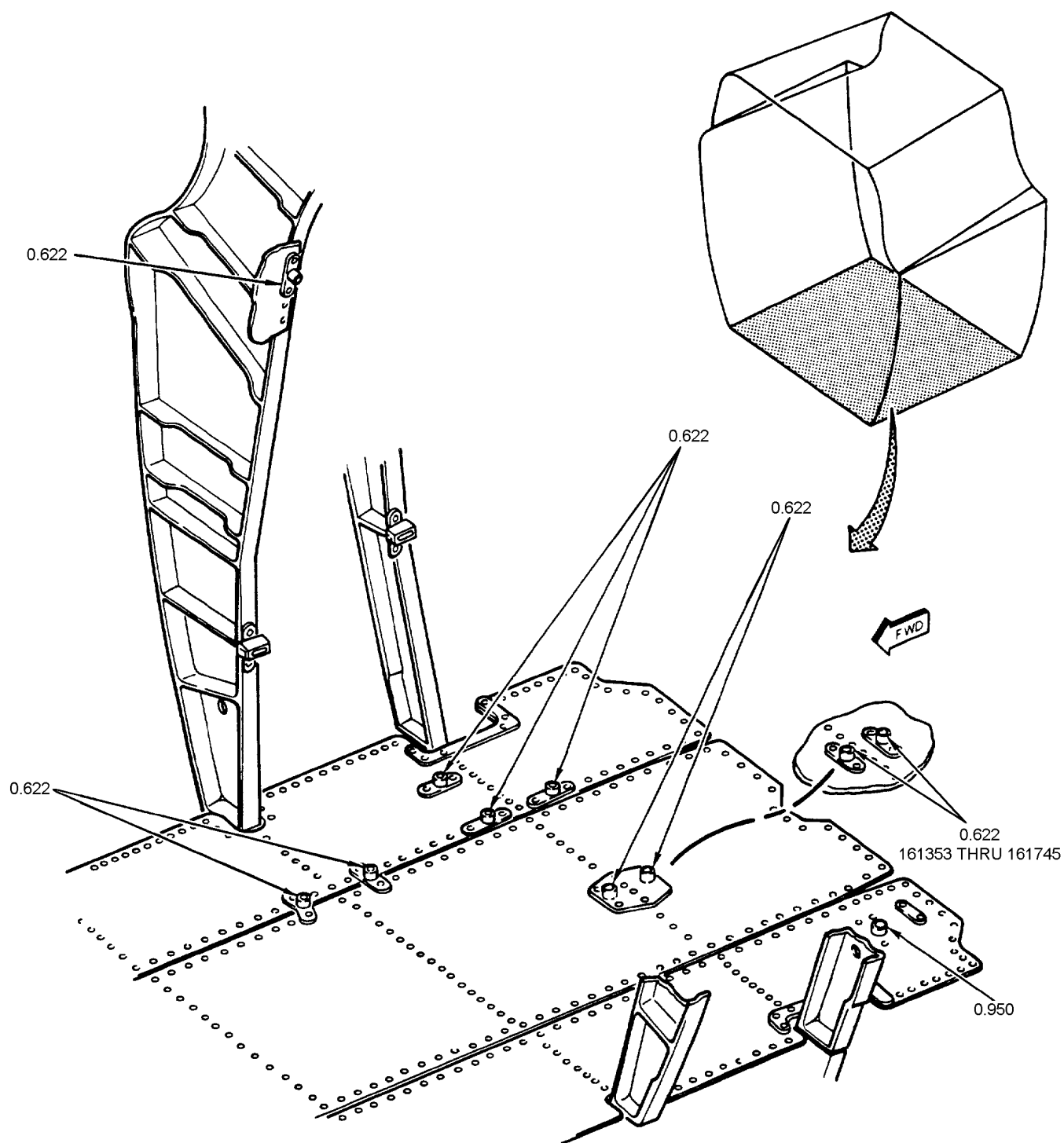
03800401

Figure 4. No. 3 Cavity Fitting Repair Limits (Sheet 1)



03800402

Figure 4. No. 3 Cavity Fitting Repair Limits (Sheet 2)



03800403

Figure 4. No. 3 Cavity Fitting Repair Limits (Sheet 3)

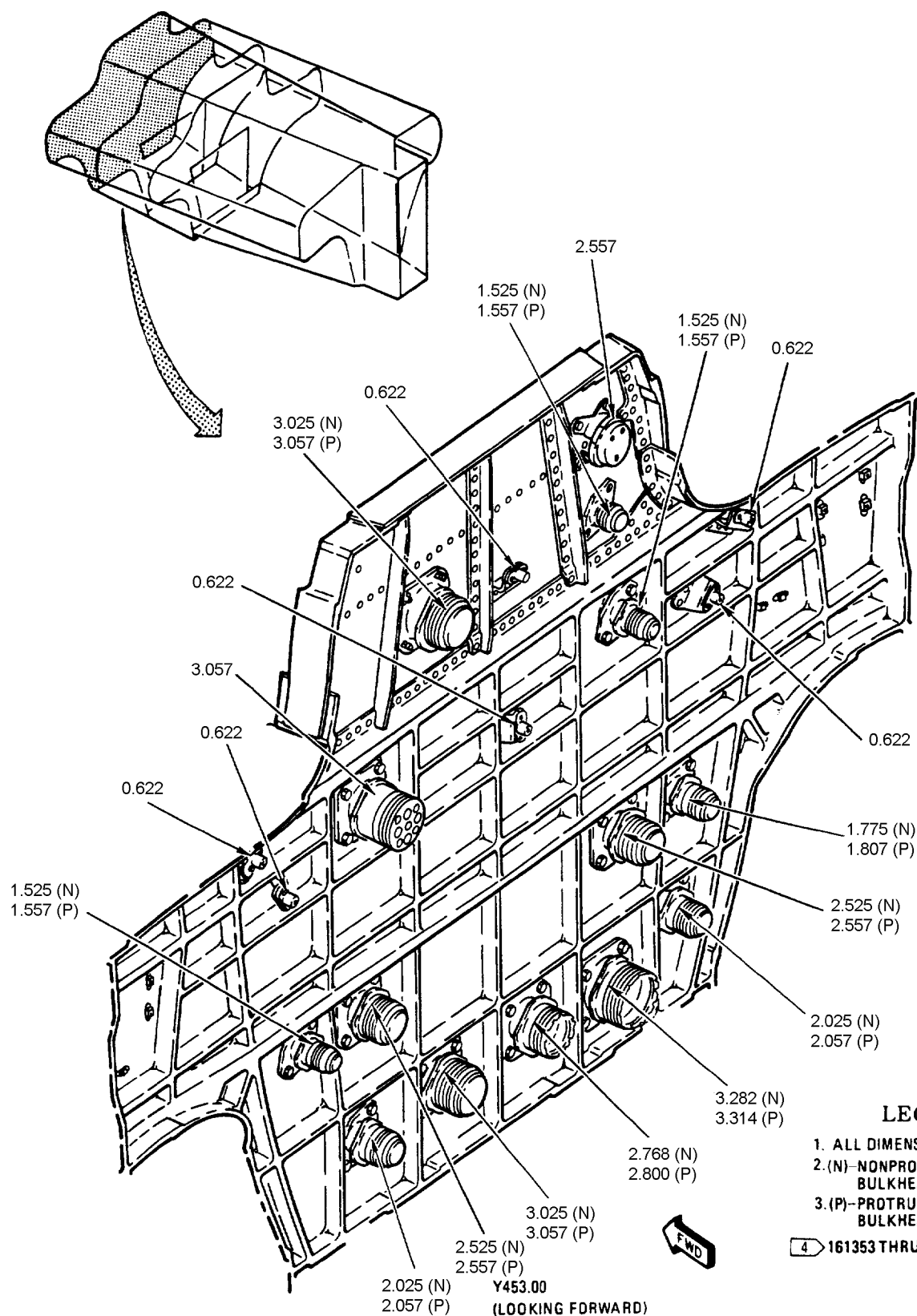
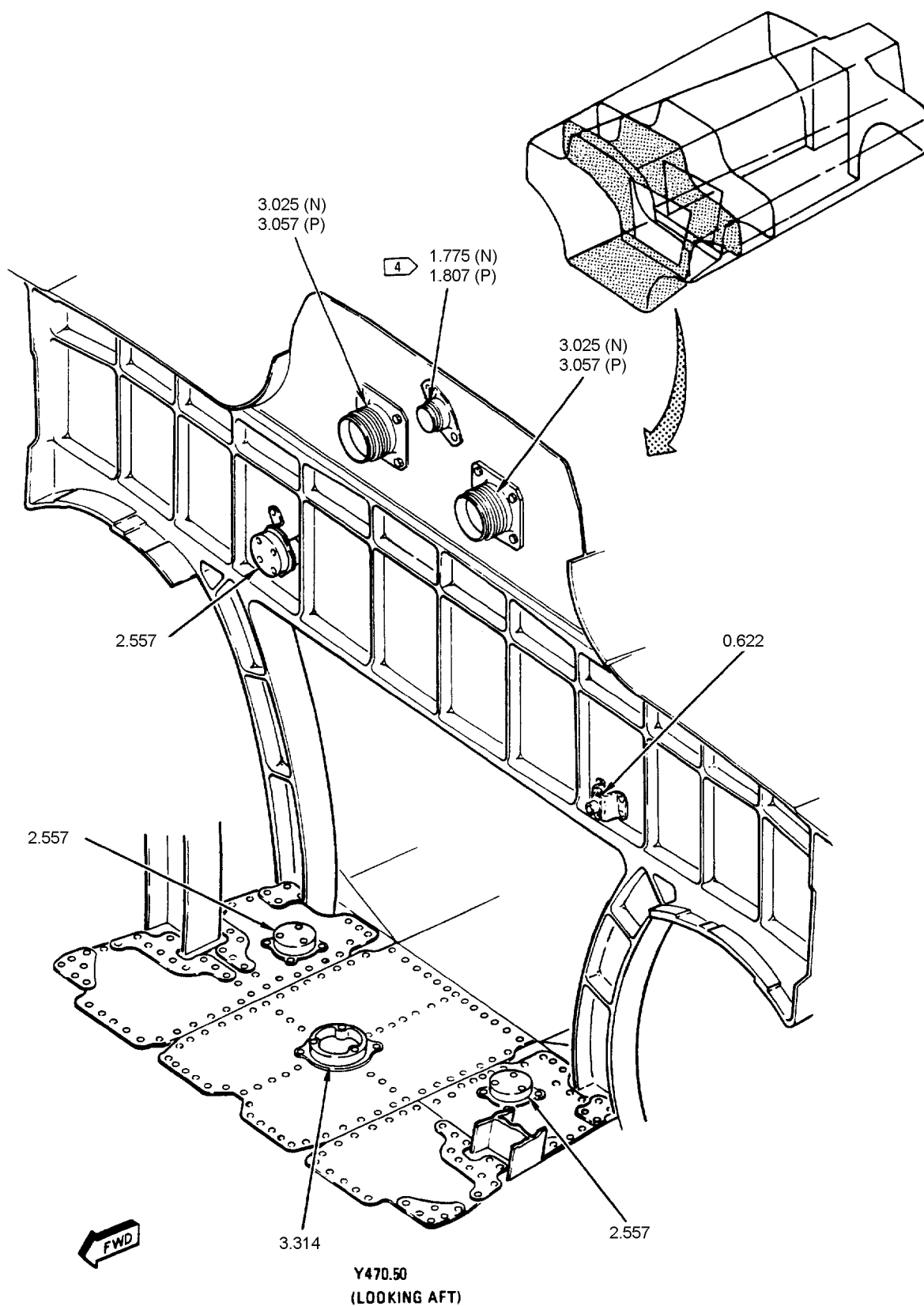


Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 1)



03800502

Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 2)

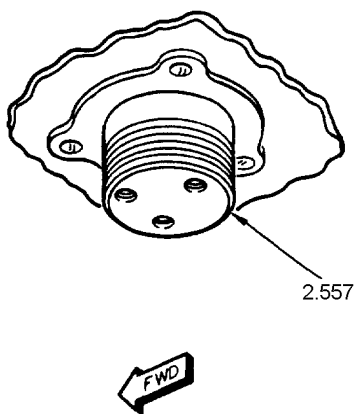
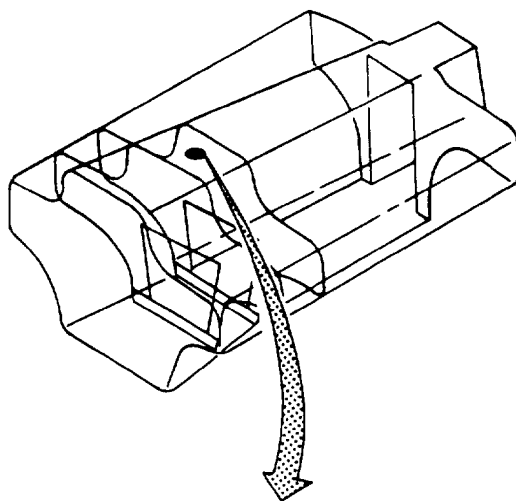
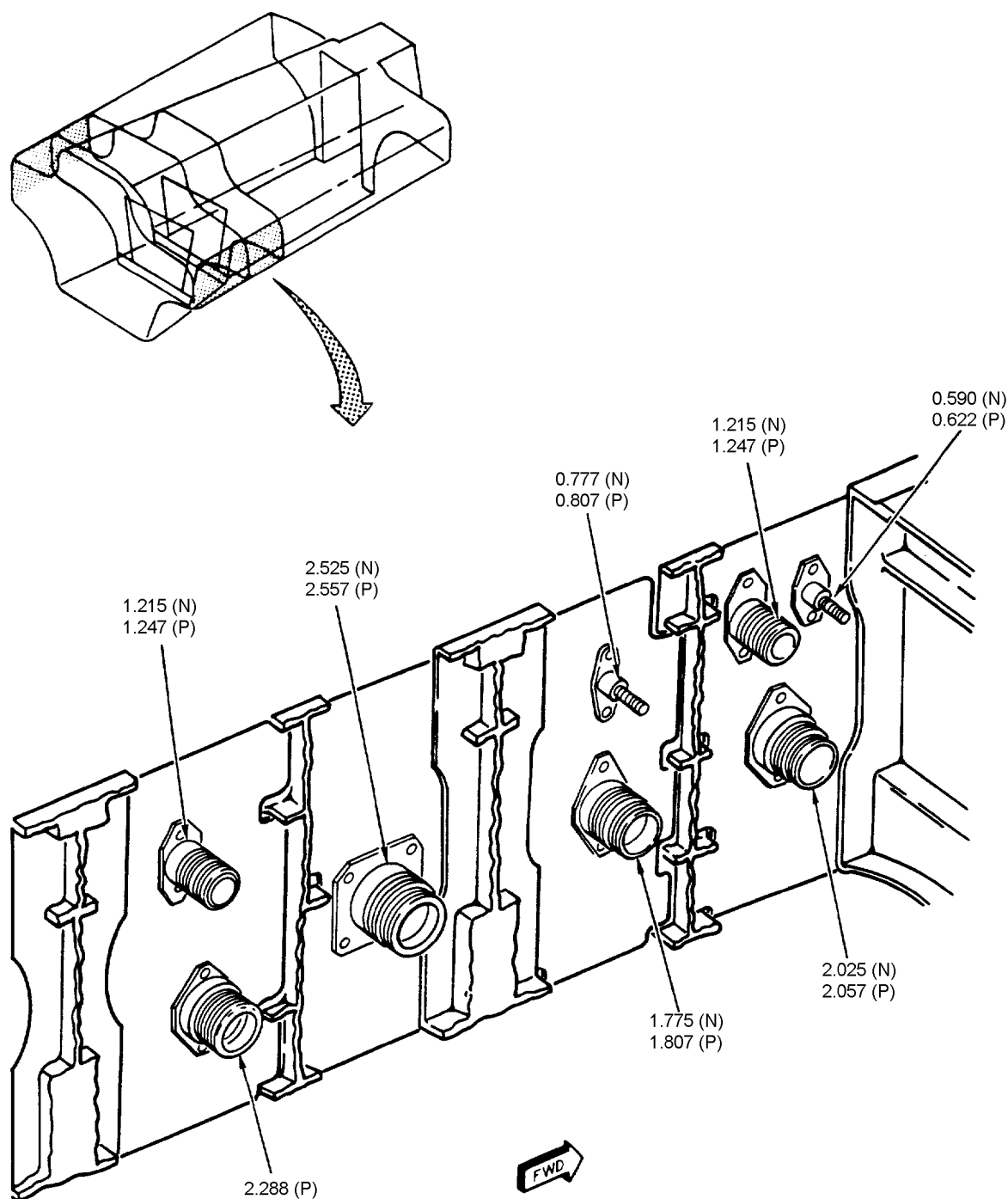


Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 3)



Y453.00 TO Y475.50
(LOOKING OUTBOARD AT
LEFT SIDE, RIGHT SIDE OPPOSITE)

Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 4)

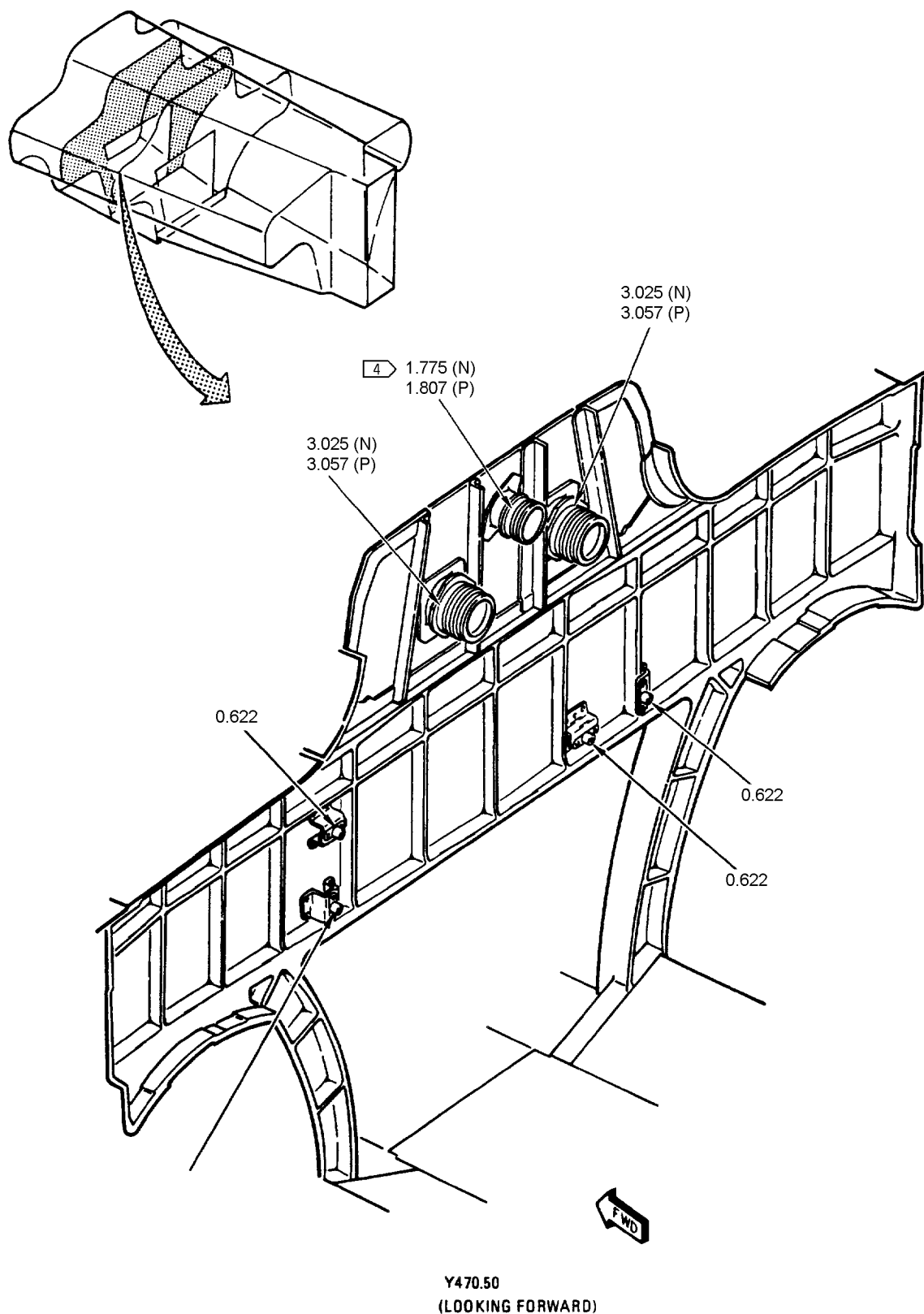


Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 5)

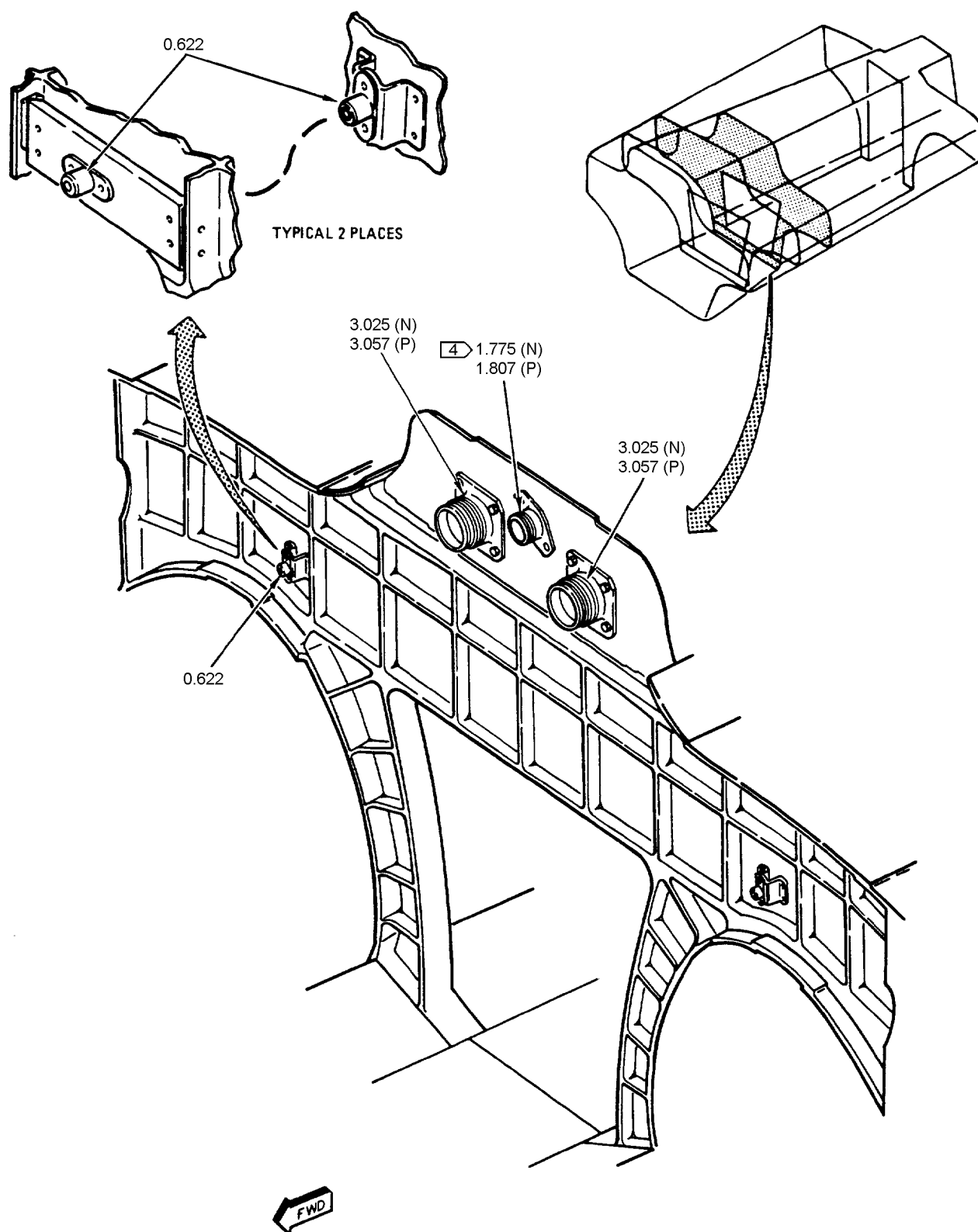


Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 6)

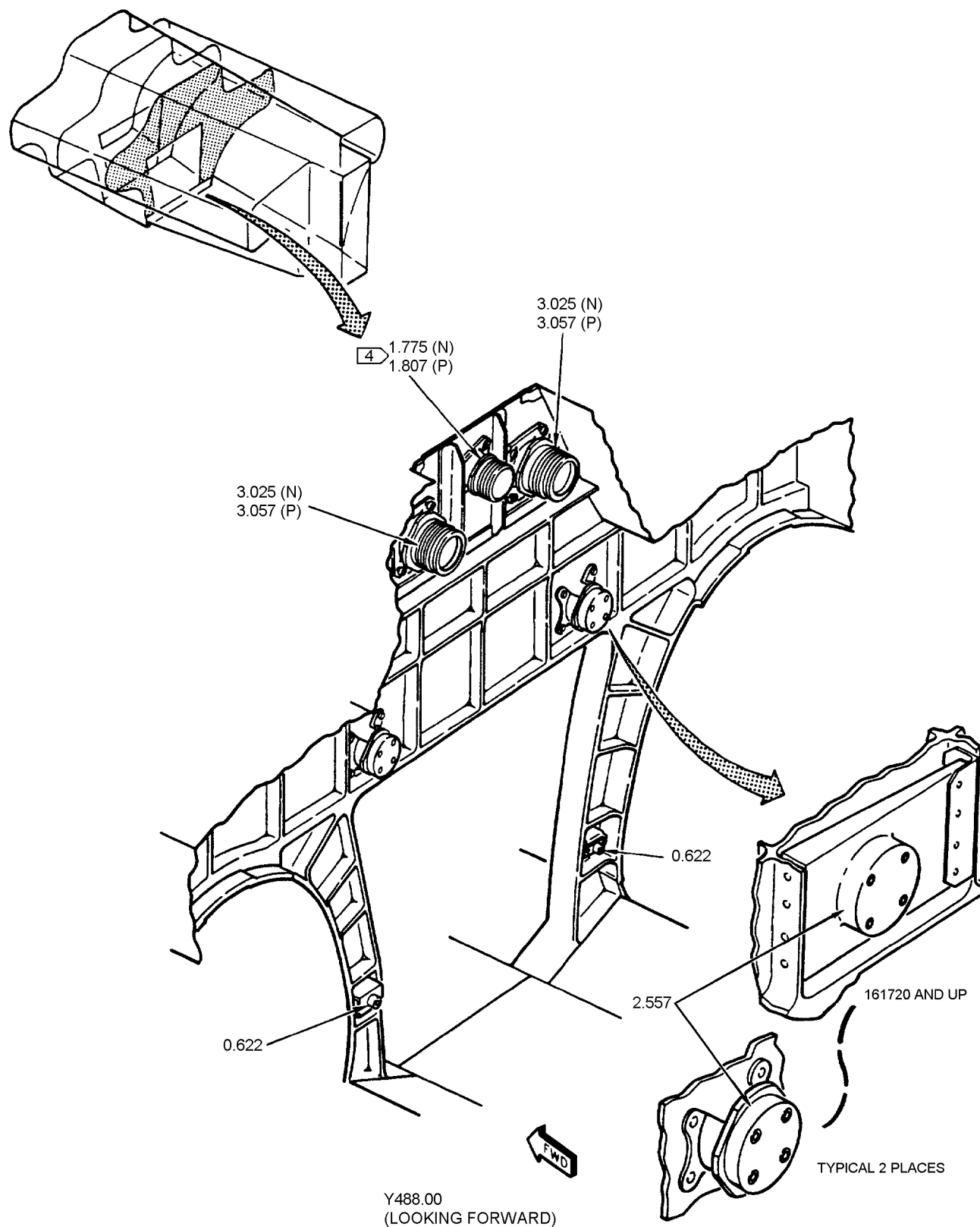
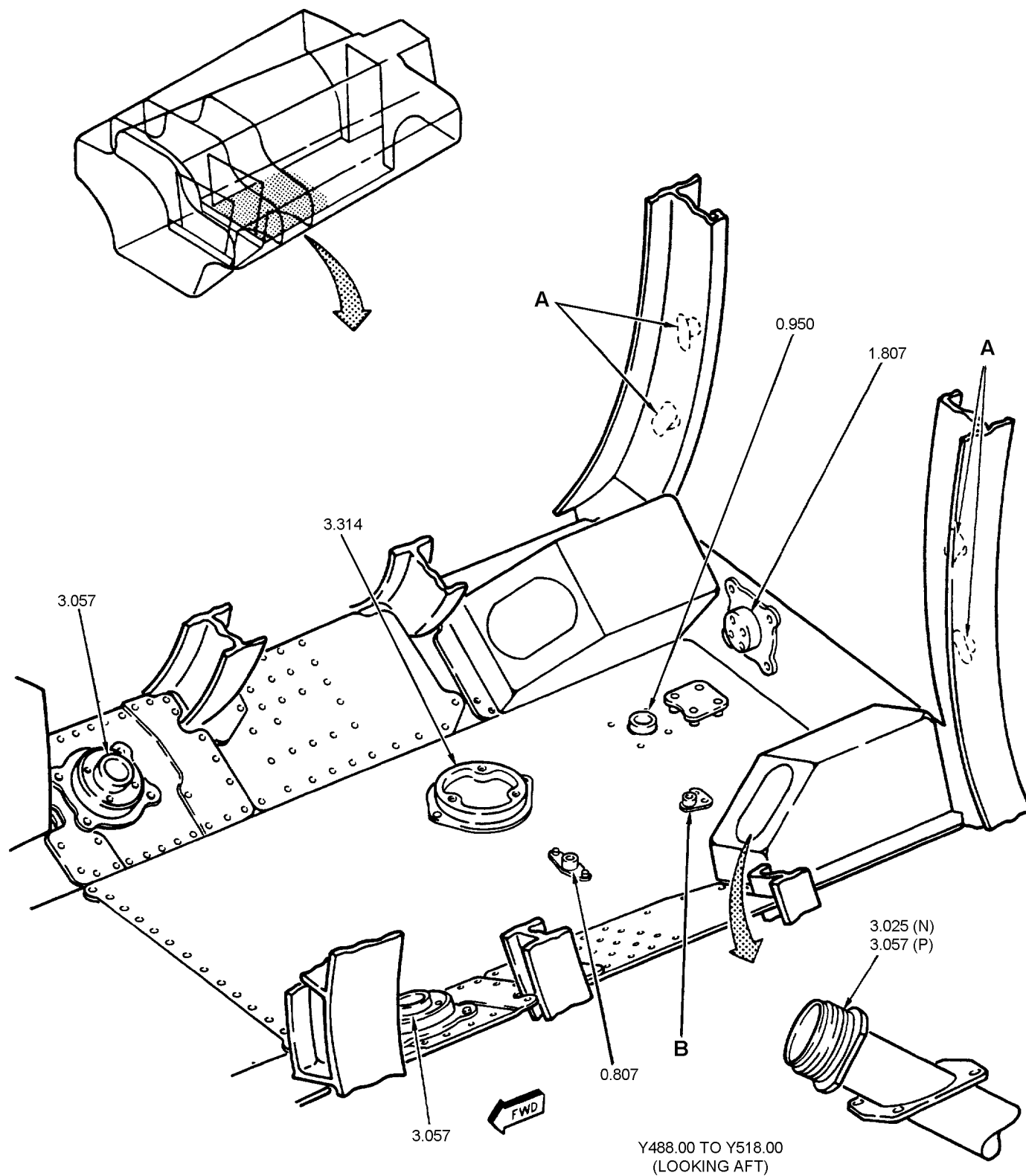
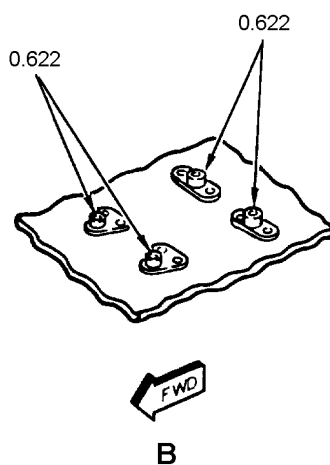
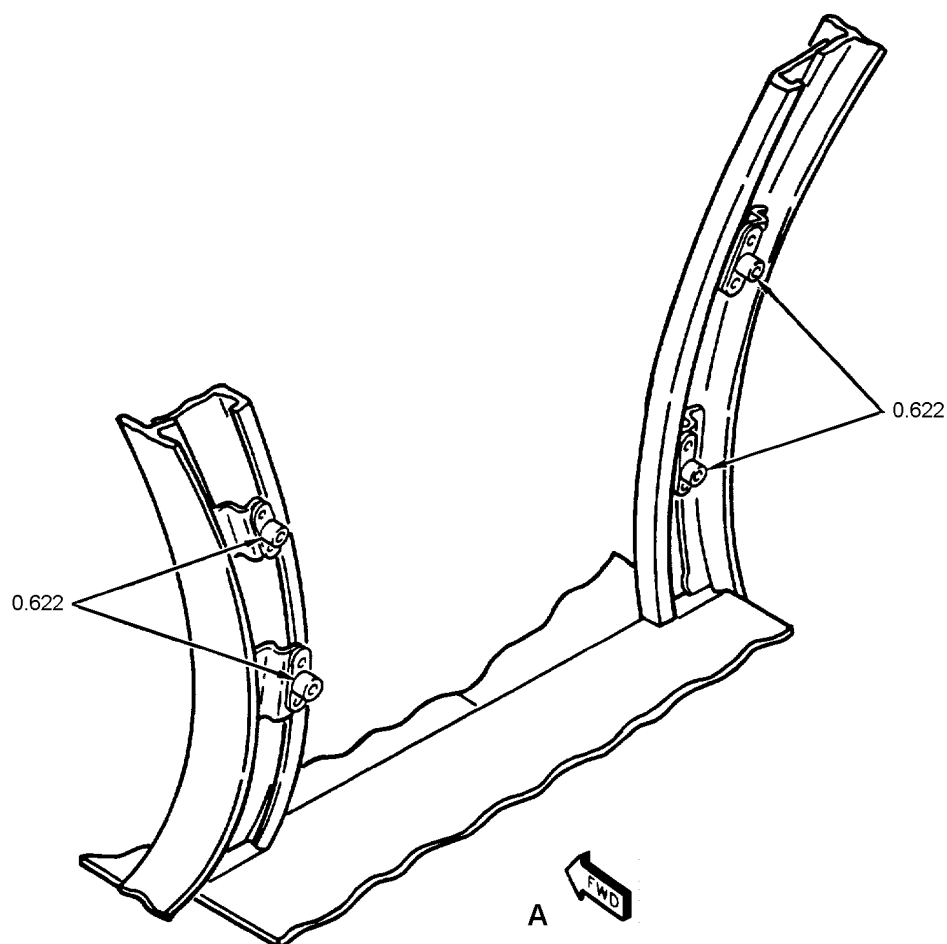


Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 7)



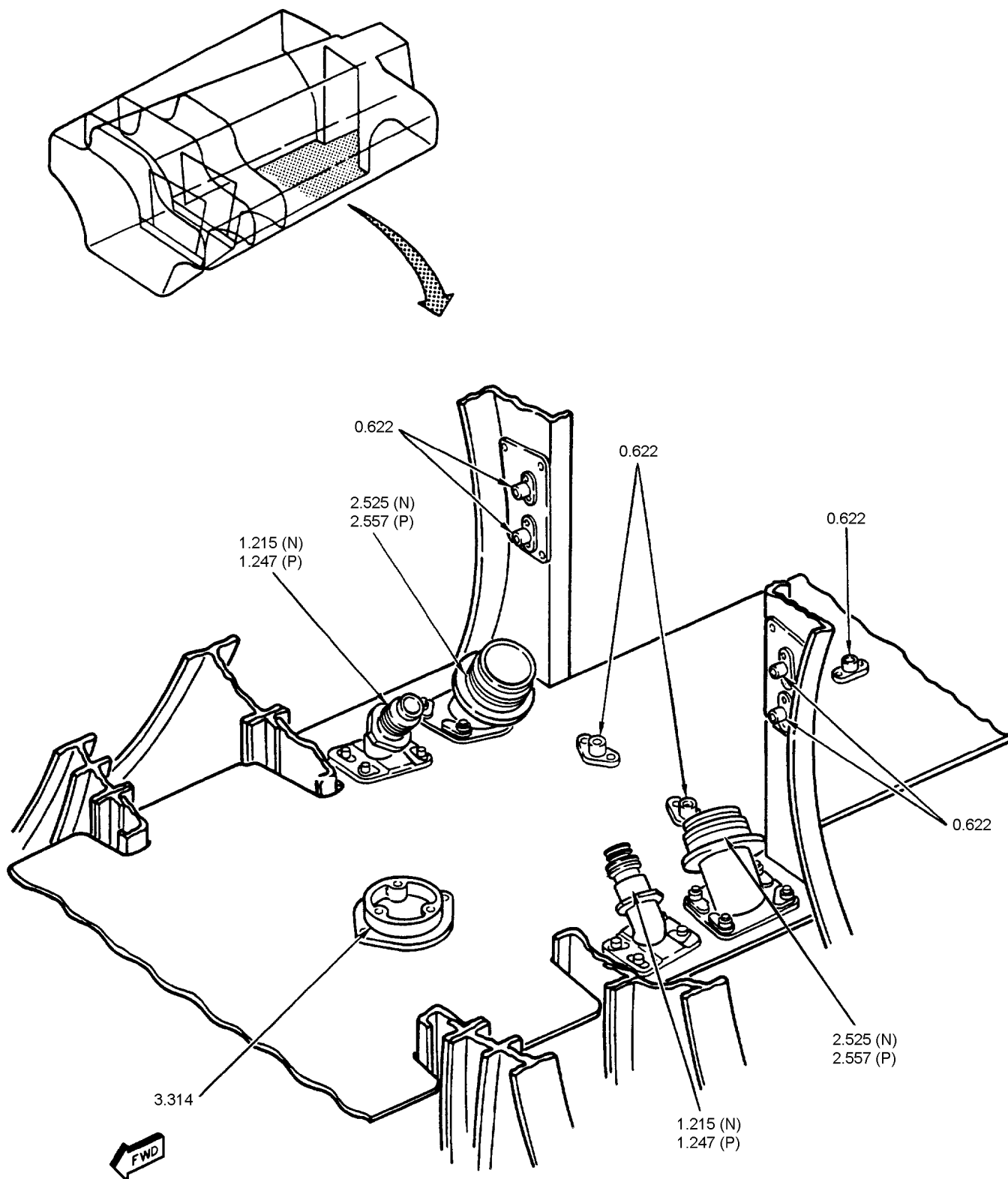
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Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 8)



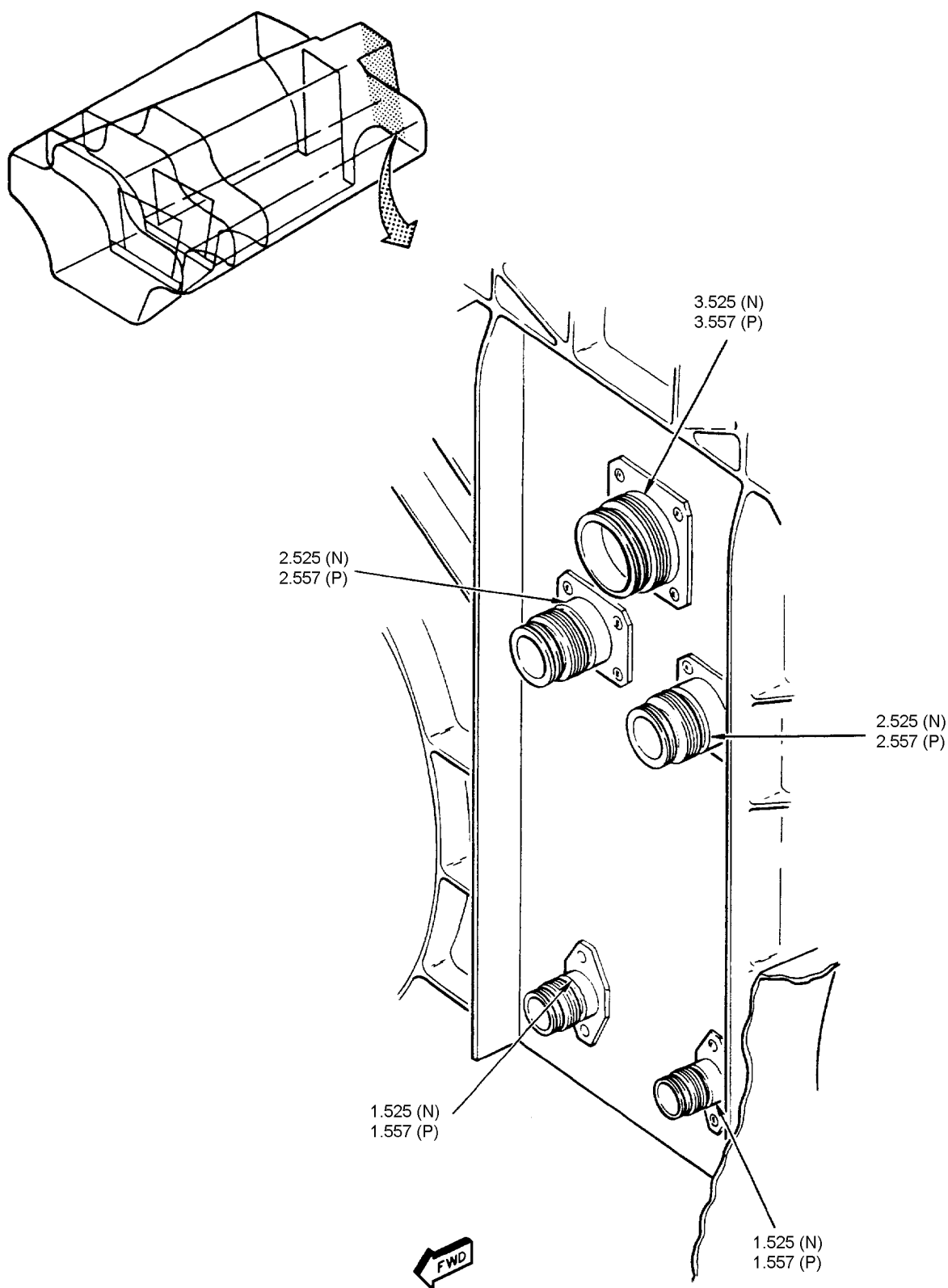
03800509

Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 9)



03800510

Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 10)



03800511

Figure 5. No. 4 Cavity Fitting Repair Limits (Sheet 11)

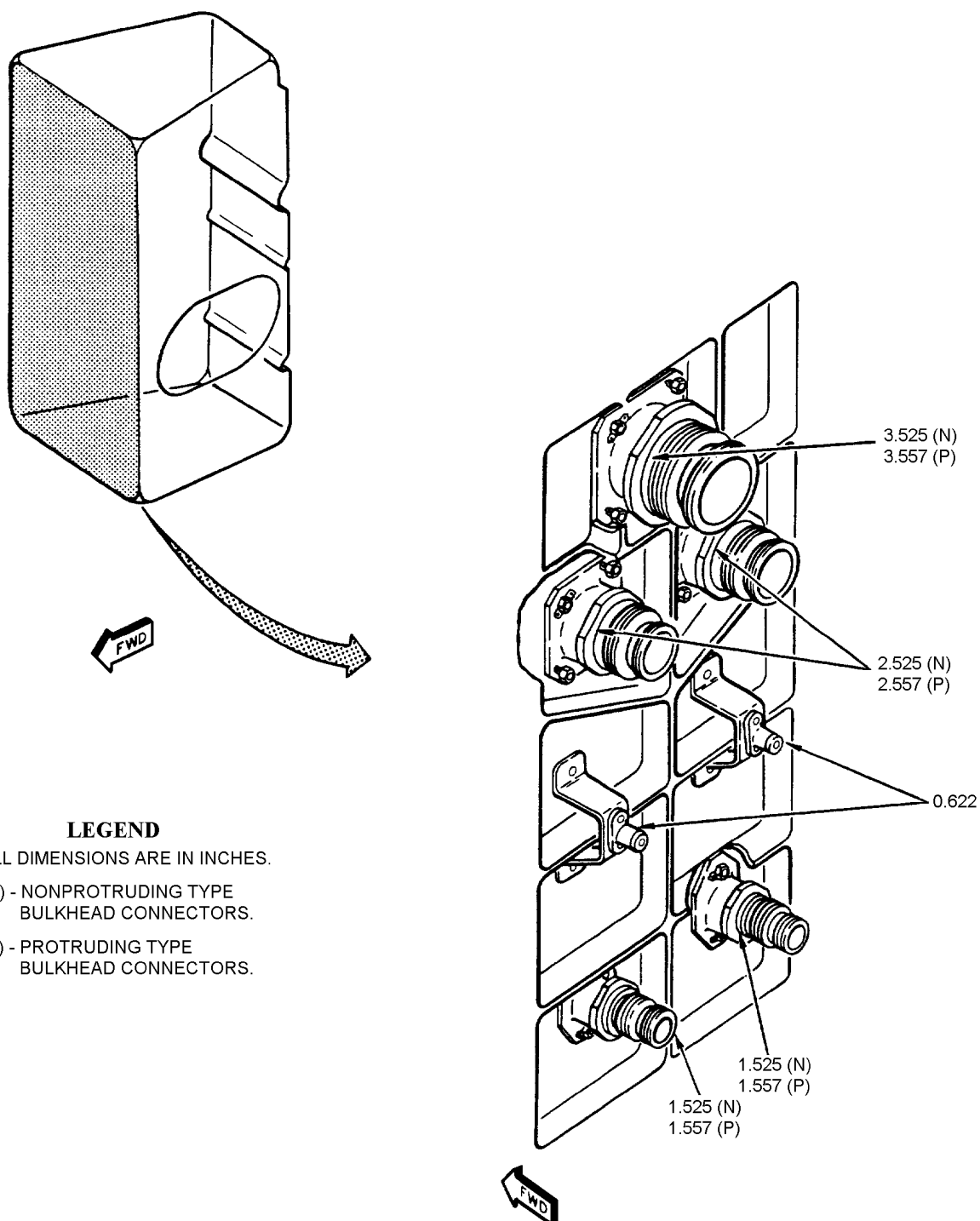
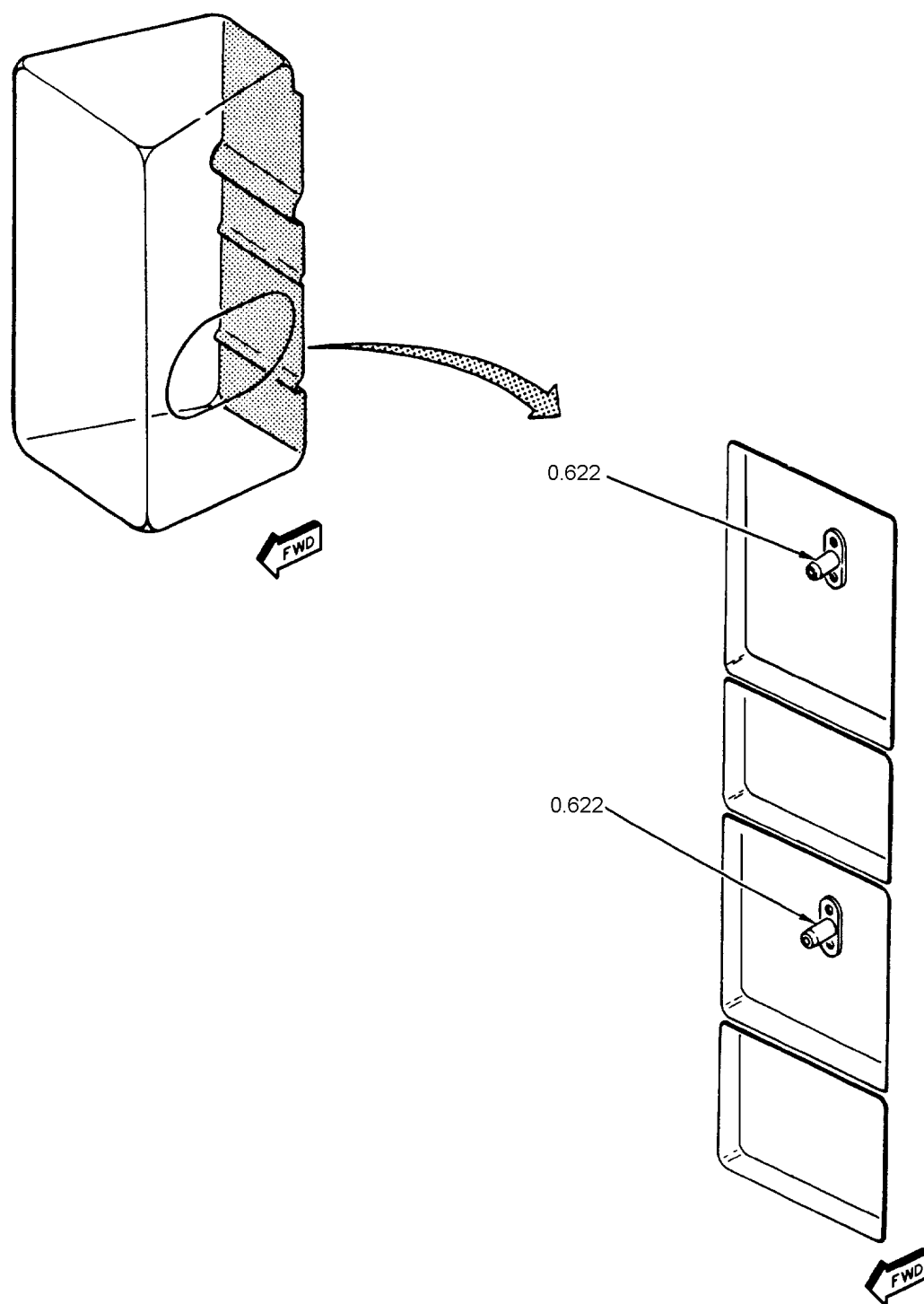


Figure 6. Vent Tank Cavity Fitting Repair Limits (Sheet 1)



03800602

Figure 6. Vent Tank Cavity Fitting Repair Limits (Sheet 2)

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
REPAIR - BULKHEAD CONNECTOR RETAINERS
FUEL STORAGE SYSTEM

Reference Material

None

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 IAFC 017 Part 1 and Part 2	-	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of (ECP MDA F/A-18-00084R1)	1 Jun 84	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Seal- ing of Raised Baffle in Tank 2 and 3 (ECP 00077/C1/C2)	15 Jul 86	

Support Equipment Required

Part Number or
Type Designation

Nomenclature

-

Slide Caliper
(or equivalent)

d. If scratch or nick on packing sealing surface is less than 0.020 inch, repair per substeps below: (See figure 1)

(1) Using emery cloth, smooth out scratch or nick over a 10 to 1 area. Scratch or nick should be in the center of the 10 to 1 area.

Materials Required

Specification
or Part Number

Nomenclature

-

#500 Emery Cloth

KIT 14-2
(CAGE 99442)

Corrosion Resistant

NOTE

Retainers with more than one repair are satisfactory if criteria in substeps 2 and 3 has been satisfied.

(2) After repair, measure and record depth at location of deepest area of repair on retainer.

(3) If depth recorded in substep (2) is more than 0.020, replace retainer (figures 2 thru 6).

1. RETAINER REPAIR.

a. If threads are damaged, replace retainer (figures 2 thru 6).

b. Replace retainer if it is cracked, distorted or bent (figures 2 thru 6).

NOTE

Steps c and d relate to the tank/cavity packing sealing surface of retainer.

c. If scratch or nick on packing sealing surface is more than 0.020 inch deep, replace retainer (figures 2 thru 6).



Corrosion Resistant, KIT14-2

8

(4) Apply a brush coat of corrosion resistant to repaired area.

2. ILLUSTRATED PARTS BREAKDOWN.

3. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

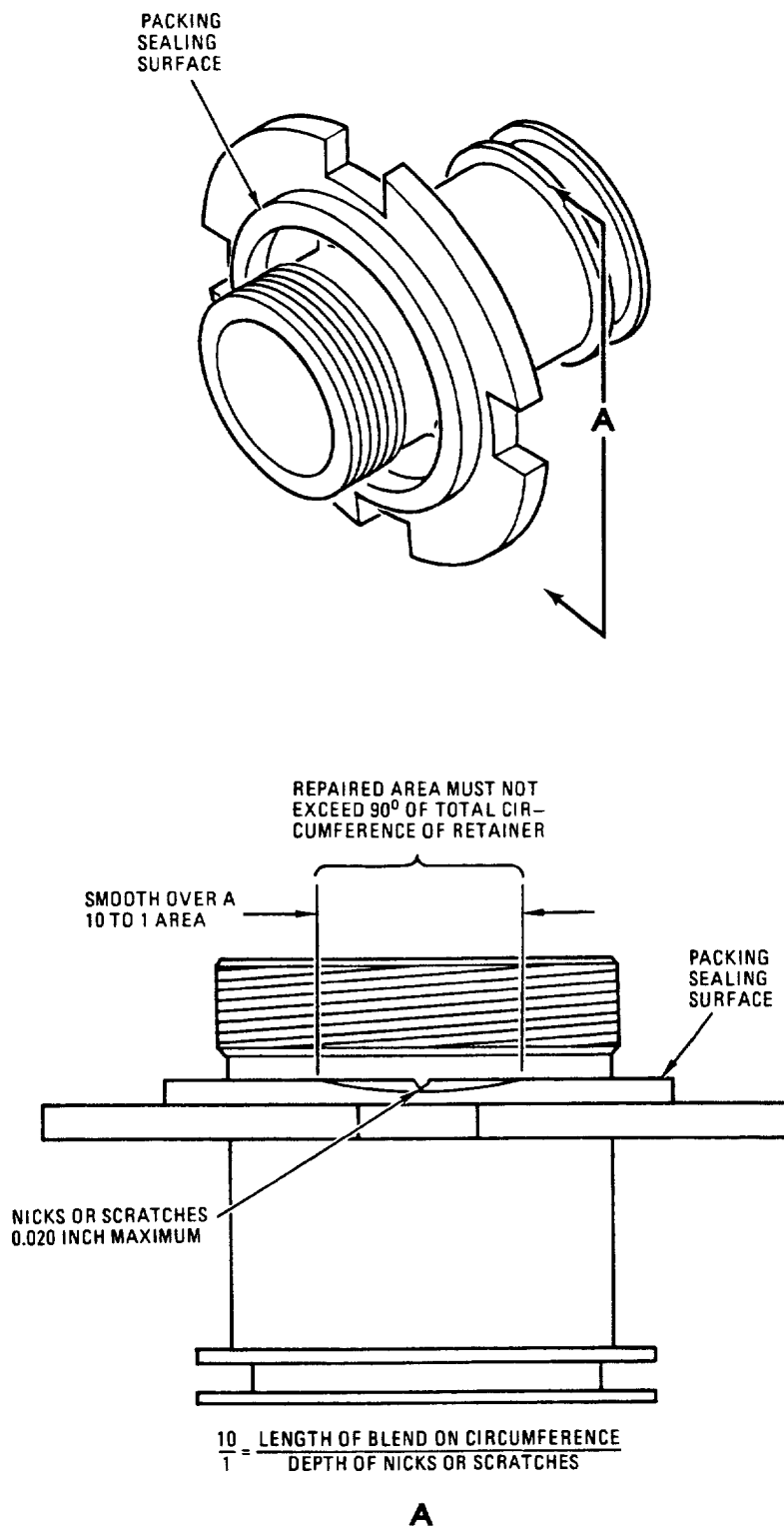


Figure 1. Retainer Repair (Sheet 1)

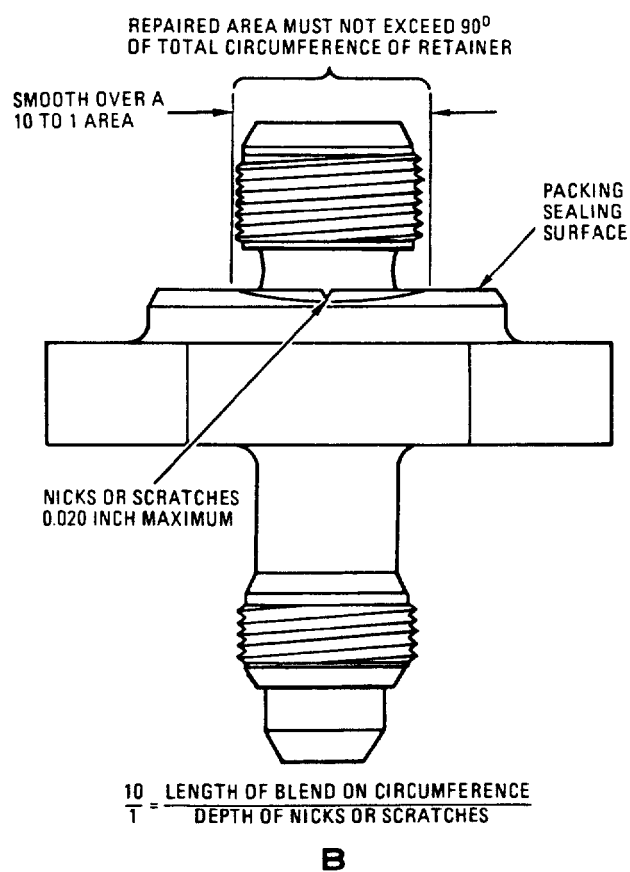
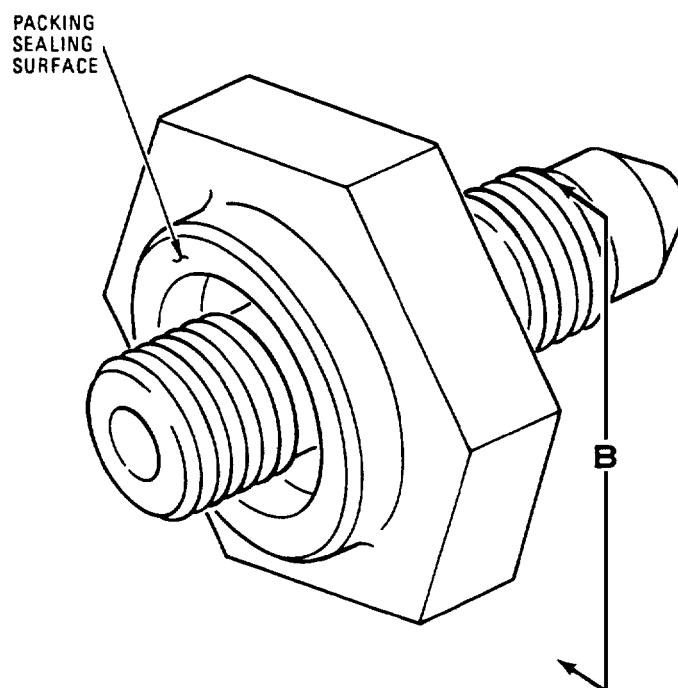
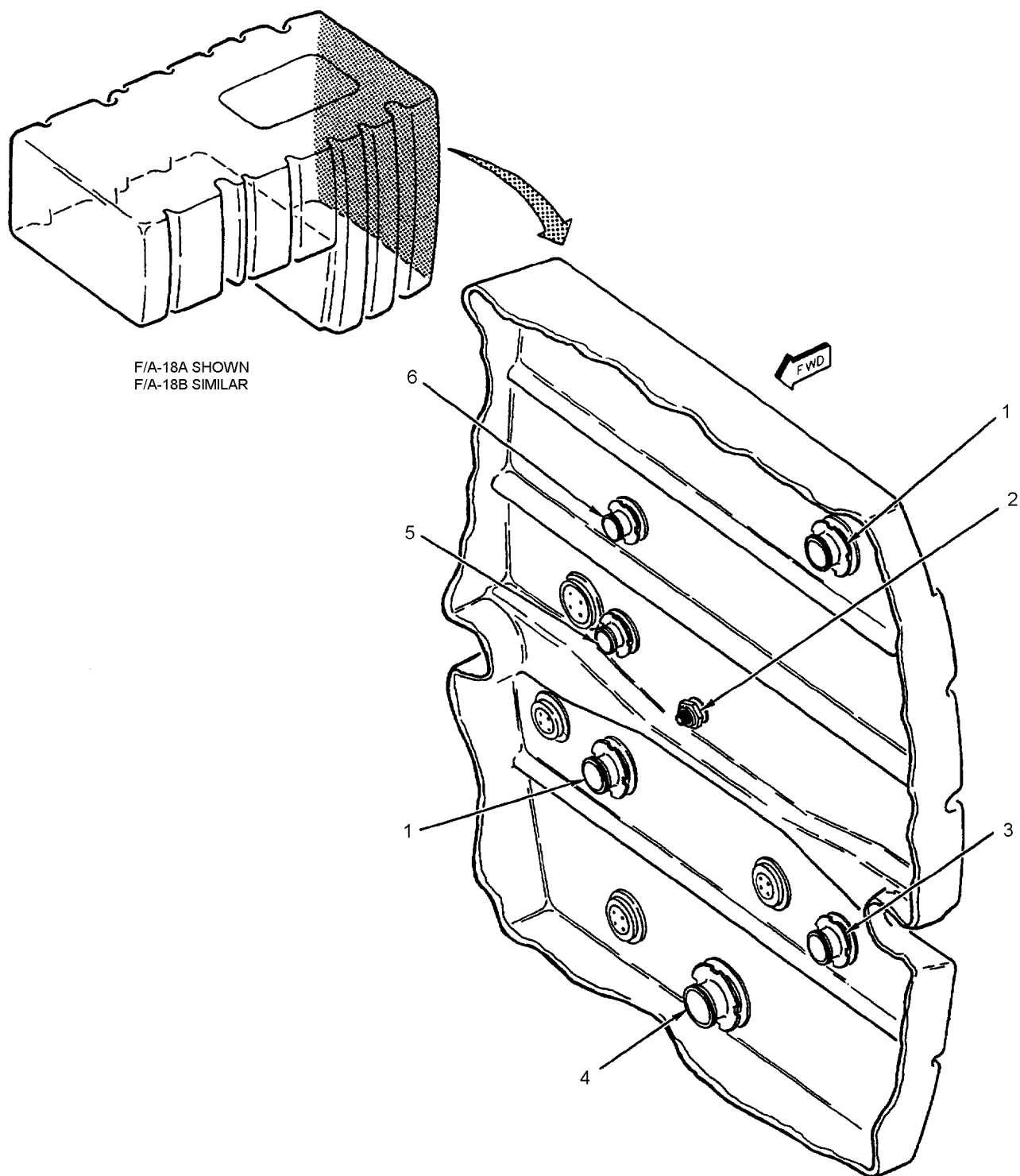


Figure 1. Retainer Repair (Sheet 2)



38010201

Figure 2. No. 1 Fuel Tank Retainers (Sheet 1)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 1 FUEL TANK RETAINERS			
1	74A585730-2001	. RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301) (REPLACES 74A585730-1001)	2		PAOZZ
	74A585730-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	A	PAOZZ
	MS29513-337	. PACKING (USE WITH INDEX 1).	1		PAOZZ
2	74A585736-2001	. RETAINER, FUEL CELL FITTING - BHD, 0.375 DIA, ASSY OF (76301) (REPLACES 74A585736-1001)	1		PAOZZ
	74A585736-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	B	PAOZZ
	M25988/1-315	. PACKING (USE WITH INDEX 2).	1		PAOZZ
3	74A585733-2001	. RETAINER, FUEL CELL FITTING - BHD, 2.00 DIA, ASSY OF (76301) (REPLACES 74A585733-1001)	1		PAOZZ
	74A585733-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	B	PAOZZ
	MS29513-333	. PACKING (USE WITH INDEX 3).	1		PAOZZ
4	74A585731-2001	. RETAINER, FUEL CELL FITTING - BHD, 2.50 DIA, ASSY OF (76301) (REPLACES 74A585731-1001)	1		PAOZZ
	74A585731-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	A	PAOZZ
	MS29513-339	. PACKING (USE WITH INDEX 4).	1		PAOZZ
5	74A585734-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.25 DIA, ASSY OF (76301) (REPLACES 74A585734-1001)	1		PAOZZ
	74A585734-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	A	PAOZZ
	MS29513-327	. PACKING (USE WITH INDEX 5).	1		PAOZZ
6	74A585735-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.00 DIA, ASSY OF (76301) (REPLACES 74A585735-1001)	1		PAOZZ
	74A585735-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	B	PAOZZ
	MS29513-325	. PACKING (USE WITH INDEX 6).	1		PAOZZ
		CODE USABLE ON MODEL			
		A 161716 THRU 162411 F/A-18A/B			
		B 161716 THRU 162414 F/A-18A/B			

Figure 2. No. 1 Fuel Tank Retainers (Sheet 2)

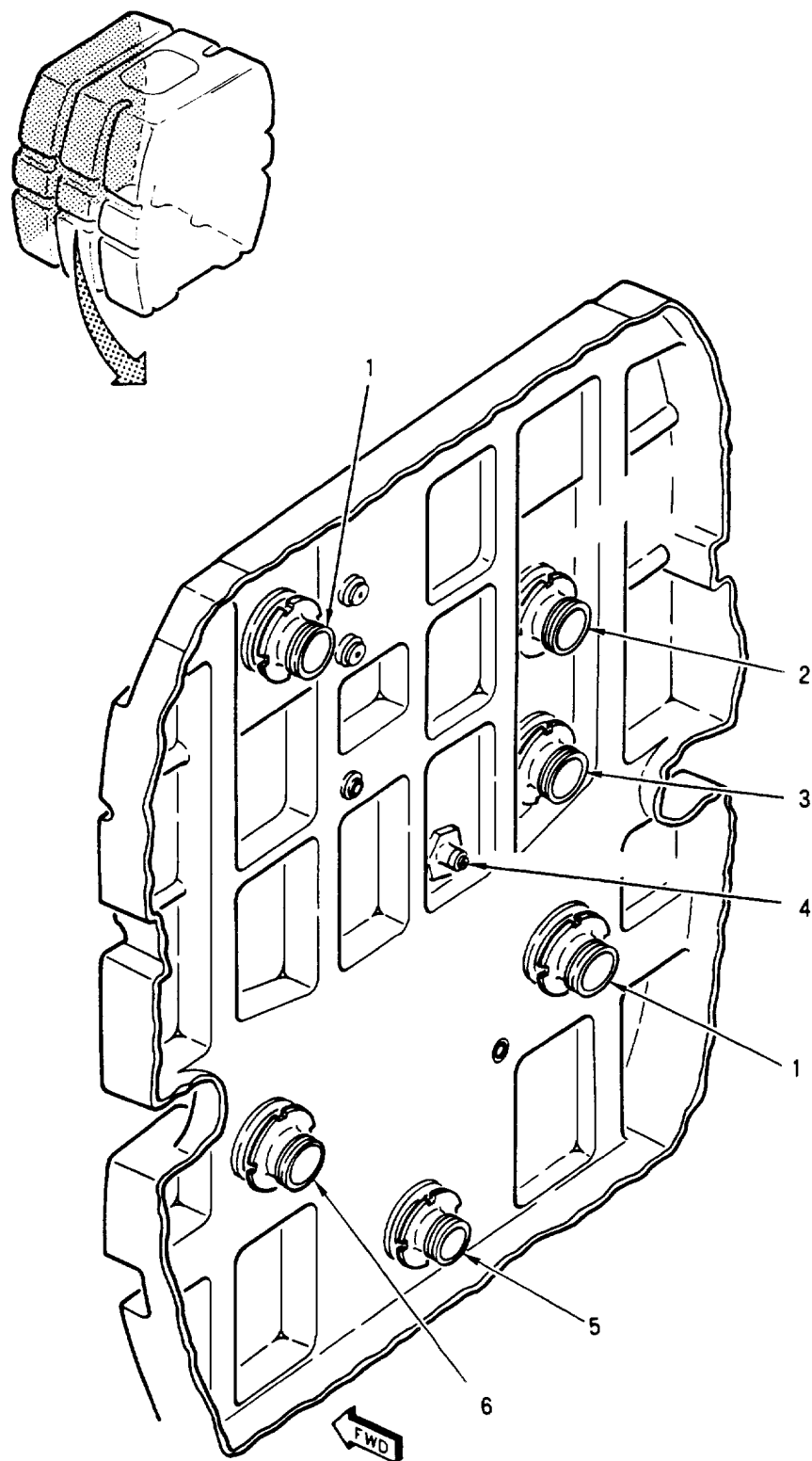


Figure 3. No. 2 Fuel Tank Retainers (Sheet 1)

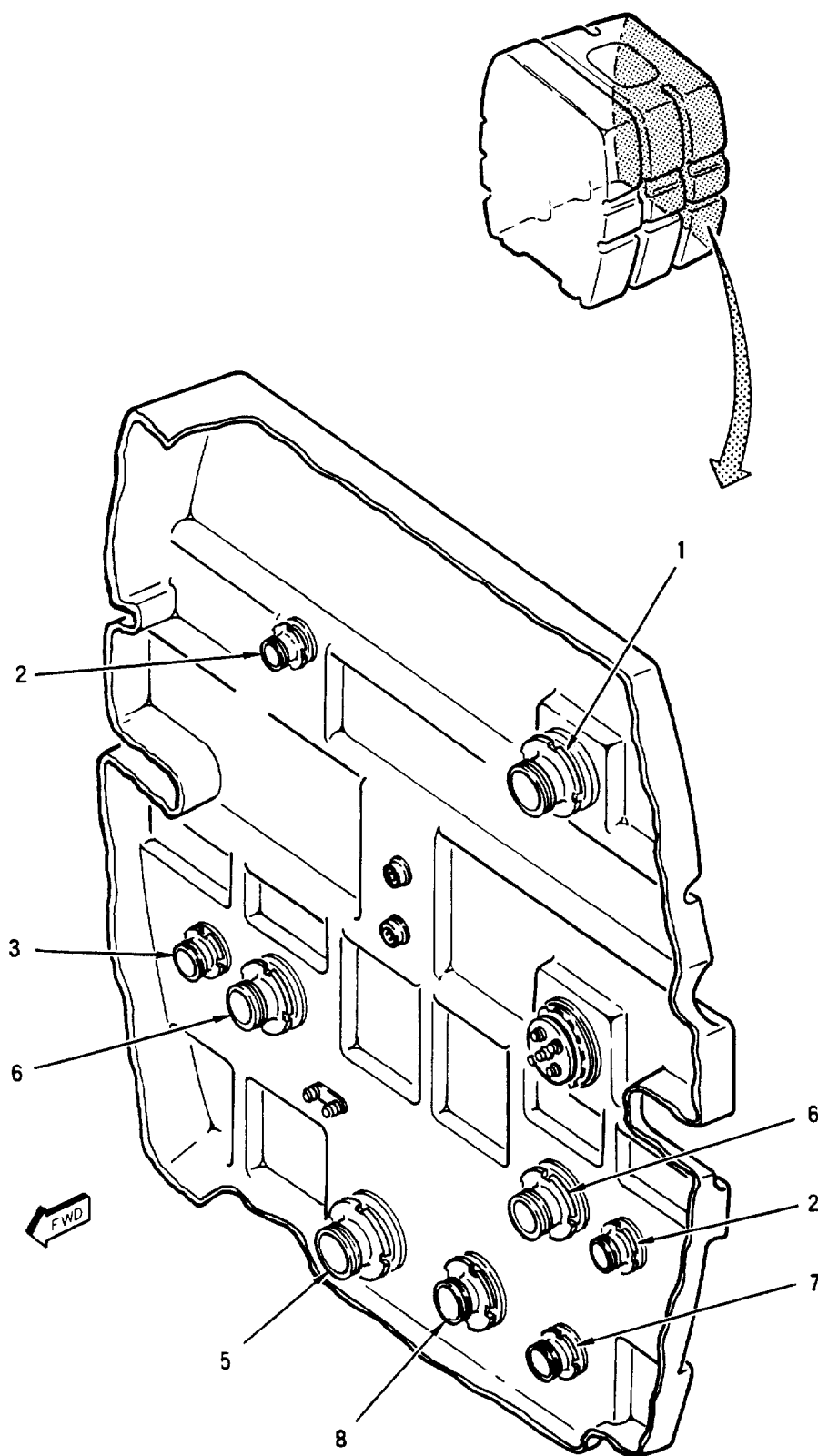


Figure 3. No. 2 Fuel Tank Retainers (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 2 FUEL TANK RETAINERS			
1	74A585730-2001	. RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301) (REPLACES 74A585730-1001)	3		PAOZZ
	74A585730-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	3	D	PAOZZ
	MS29513-337	. PACKING (USE WITH INDEX 1).	3		PAOZZ
2	74A585735-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.00 DIA, ASSY OF (76301) (REPLACES 74A585735-1001)	3		PAOZZ
	74A585735-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	3	E	PAOZZ
	MS29513-325	. PACKING (USE WITH INDEX 2).	3		PAOZZ
3	74A585734-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.25 DIA, ASSY OF (76301) (REPLACES 74A585734-1001)	2		PAOZZ
	74A585734-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	D	PAOZZ
	MS29513-327	. PACKING (USE WITH INDEX 3).	2		PAOZZ
4	74A585736-2001	. RETAINER, FUEL CELL FITTING - BHD, 0.375 DIA, ASSY OF (76301) (REPLACES 74A585736-1001)	1		PAOZZ
	74A585736-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	E	PAOZZ
	M25988/1-315	. PACKING (USE WITH INDEX 4).	1		PAOZZ
5	74A585731-2001	. RETAINER, FUEL CELL FITTING - BHD, 2.50 DIA, ASSY OF (76301) (REPLACES 74A585731-1001)	2		PAOZZ
	74A585731-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	D	PAOZZ
	MS29513-339	. PACKING (USE WITH INDEX 5).	2		PAOZZ
6	74A585733-2001	. RETAINER, FUEL CELL FITTING - BHD, 2.00 DIA, ASSY OF (76301) (REPLACES 74A585733-1001)	3		PAOZZ
	74A585733-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	3	E	PAOZZ
	MS29513-333	. PACKING (USE WITH INDEX 6).	3		PAOZZ
7	74A585739-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.50 DIA, ASSY OF (76301) (REPLACES 74A585739-1001)	1		PAOZZ
	74A585739-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	D	PAOZZ
	MS29513-329	. PACKING (USE WITH INDEX 7).	1		PAOZZ
8	74A585737-2001 +	. RETAINER, FUEL CELL FITTING - BHD, PUMP, ASSY OF (76301)	1	A	PAOZZ
	74A585737-1001 +	. SEE ABOVE.	1	A*	PAOZZ
	74A587116-2001	. RETAINER, FUEL CELL FITTING - BHD, PUMP, ASSY OF (76301) (REPLACES 74A587116-1003)	1	B	PAOZZ
	74A587116-1003	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	C	PAOZZ
	MS29513-335	. PACKING (USE WITH INDEX 8)	1		PAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

+ USE 74A585737-2001 AS REPLACEMENT
PART FOR 74A585737-1001

Figure 3. No. 2 Fuel Tank Retainers (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			

CODE	USABLE ON	MODEL
A	161353 TURU 161761 BEFORE F/A-18 AFC 18	F/A-18A/B
B	161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 18	F/A-18A/B
C	161924 TURU 162414	F/A-18A/B
D	161716 TURU 162411	F/A-18A/B
E	161716 TURU 162414	F/A-18A/B

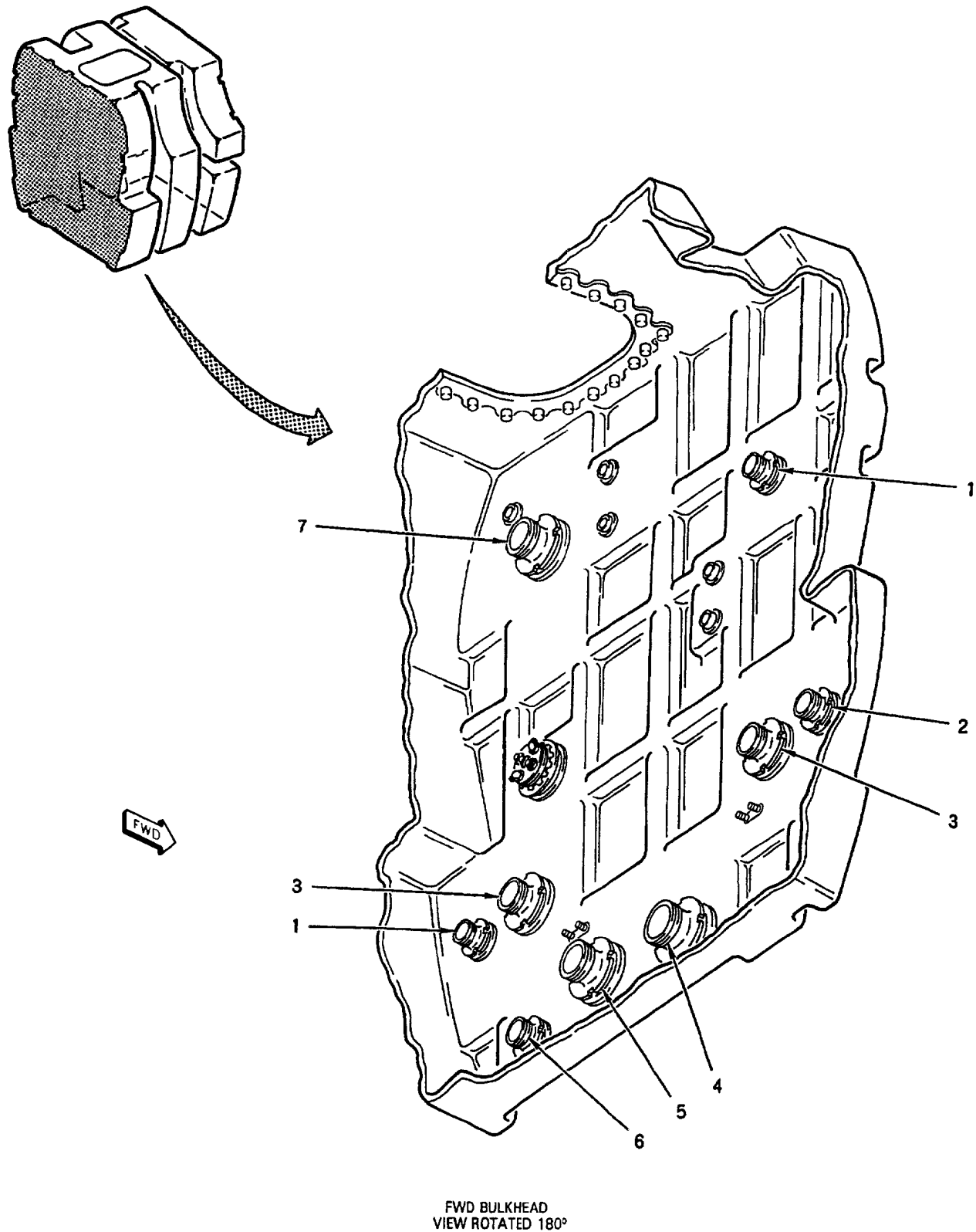


Figure 4. No. 3 Fuel Tank Retainers (Sheet 1)

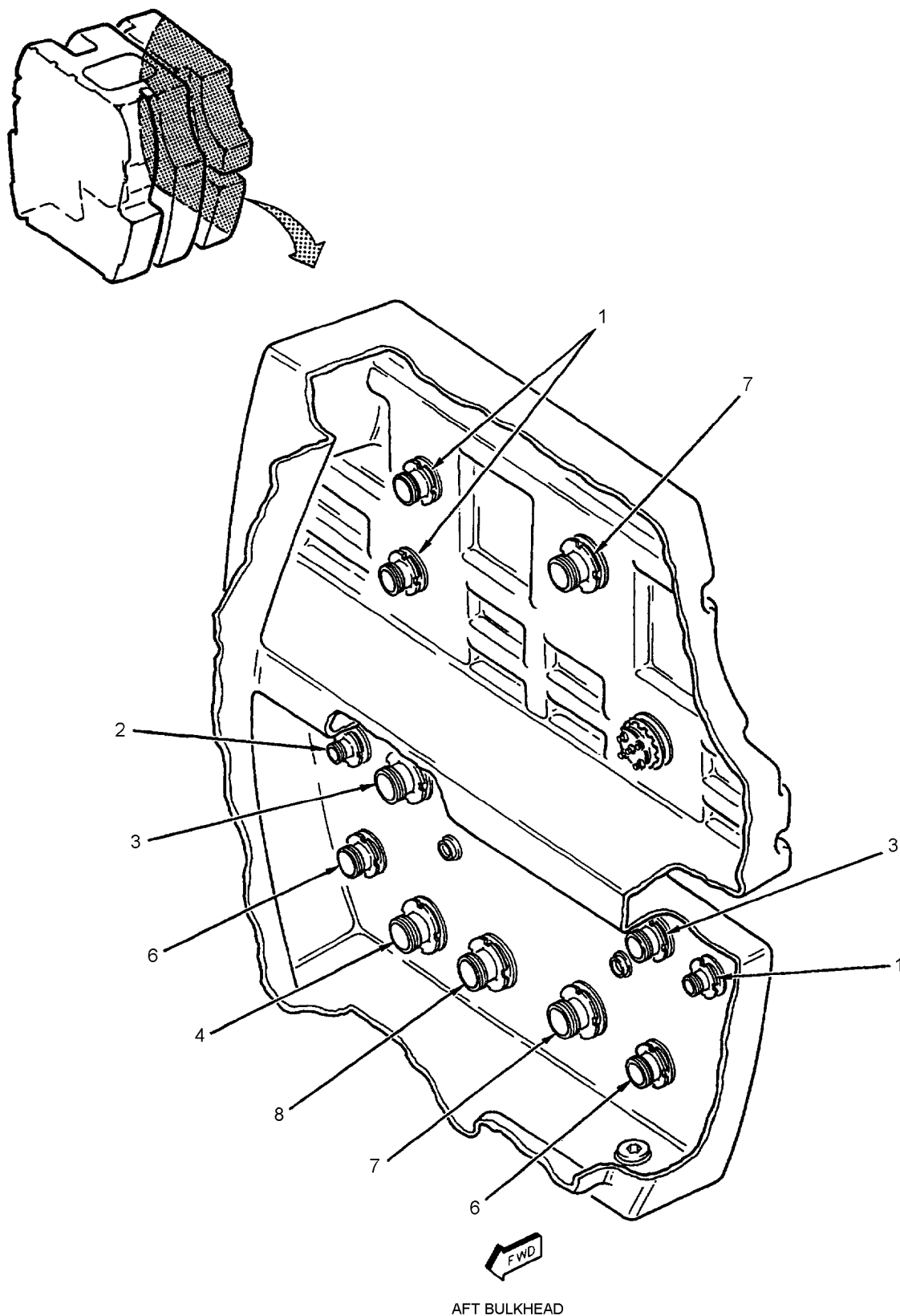


Figure 4. No. 3 Fuel Tank Retainers (Sheet 2)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 3 FUEL TANK RETAINERS			
1	74A585735-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.00 DIA, ASSY OF (76301) (REPLACES 74A585735-1001)	5		PAOZZ
	74A585735-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	5	G	PAOZZ
	MS29513-325	. PACKING (USE WITH INDEX 1).	5		PAOZZ
2	74A585734-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.25 DIA, ASSY OF (76301) (REPLACES 74A585734-1001)	2		PAOZZ
	74A585734-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	F	PAOZZ
	MS29513-327	. PACKING (USE WITH INDEX 2).	2		PAOZZ
3	74A585733-2001	. RETAINER, FUEL CELL FITTING - BHD, 2.00 DIA, ASSY OF (76301) (REPLACES 74A585733-1001)	4		PAOZZ
	74A585733-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	4	G	PAOZZ
	MS29513-333	. PACKING (USE WITH INDEX 3).	4		PAOZZ
4	74A585731-2001	. RETAINER, FUEL CELL FITTING - BHD, 2.50 DIA, ASSY OF (76301) (REPLACES 74A585731-1001)	2		PAOZZ
	74A585731-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	F	PAOZZ
	MS29513-339	. PACKING (USE WITH INDEX 4).	2		PAOZZ
5	74A585738-2001 †	. RETAINER, FUEL CELL FITTING - BHD, ASSY. OF (76301)	1	C	PAOZZ
	74A585738-1001 †	. SEE ABOVE.	1	C*	PAOZZ
	74A587116-2001	. RETAINER, FUEL CELL FITTING - BHD, ASSY. OF (76301) (REPLACES 74A587116-1003)	1	D	PAOZZ
	74A587116-1003	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	E	PAOZZ
	MS29513-335	. PACKING (USE WITH INDEX 5).	1		PAOZZ
6	74A585739-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.50 DIA, ASSY OF (76301) (REPLACES 74A585739-1001)	3		PAOZZ
	74A585739-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	3	E	PAOZZ
	MS29513-329	. PACKING (USE WITH INDEX 6).	3		PAOZZ
7	74A585730-2001	. RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301) (REPLACES 74A585730-1001)	3		PAOZZ
	74A585730-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	3	F	PAOZZ
	MS29513-337	. PACKING (USE WITH INDEX 7).	3		PAOZZ
8	74A585741-2001 ††	. RETAINER, FUEL CELL FITTING - BHD, PUMP, Y453.0, ASSY OF (76301)	1	A	PAOZZ
	74A585741-1001 ††	. SEE ABOVE.	1	A*	PAOZZ
	74A587116-2001	. RETAINER, FUEL CELL FITTING - BHD, ASSY. OF (76301) (REPLACES 74A587116-1003)	1	B	PAOZZ
	74A587116-1003	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	E	PAOZZ
	MS29513-335	. PACKING (USE WITH INDEX 8).	1		PAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

† USE 74A585738-2001 AS REPLACEMENT
PART FOR 74A585738-1001

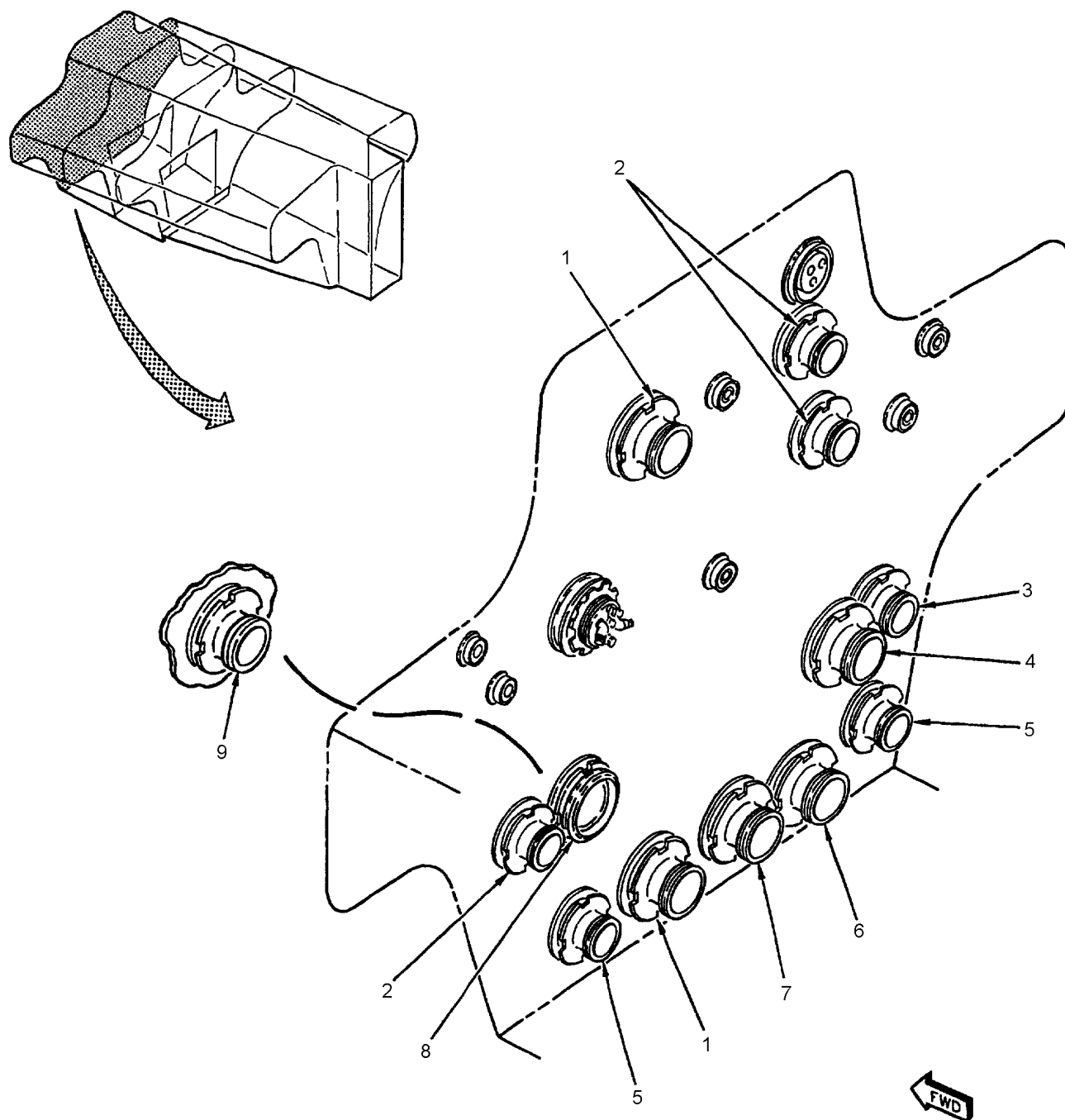
Figure 4. No. 3 Fuel Tank Retainers (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			

†† USE 74A585741-2001 AS REPLACEMENT
PART FOR 74A585741-1001

CODE	USABLE ON	MODEL
A	161353 THRU 161761	F/A-18A/B
B	161924 & UP	F/A-18A/B
C	161353 THRU 161761 BEFORE F/A-18 AFC 18	F/A-18A/B
D	161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 18	F/A-18A/B
E	161924 THRU 162414	F/A-18A/B
F	161716 THRU 162411	F/A-18A/B
G	161716 THRU 162414	F/A-18A/B

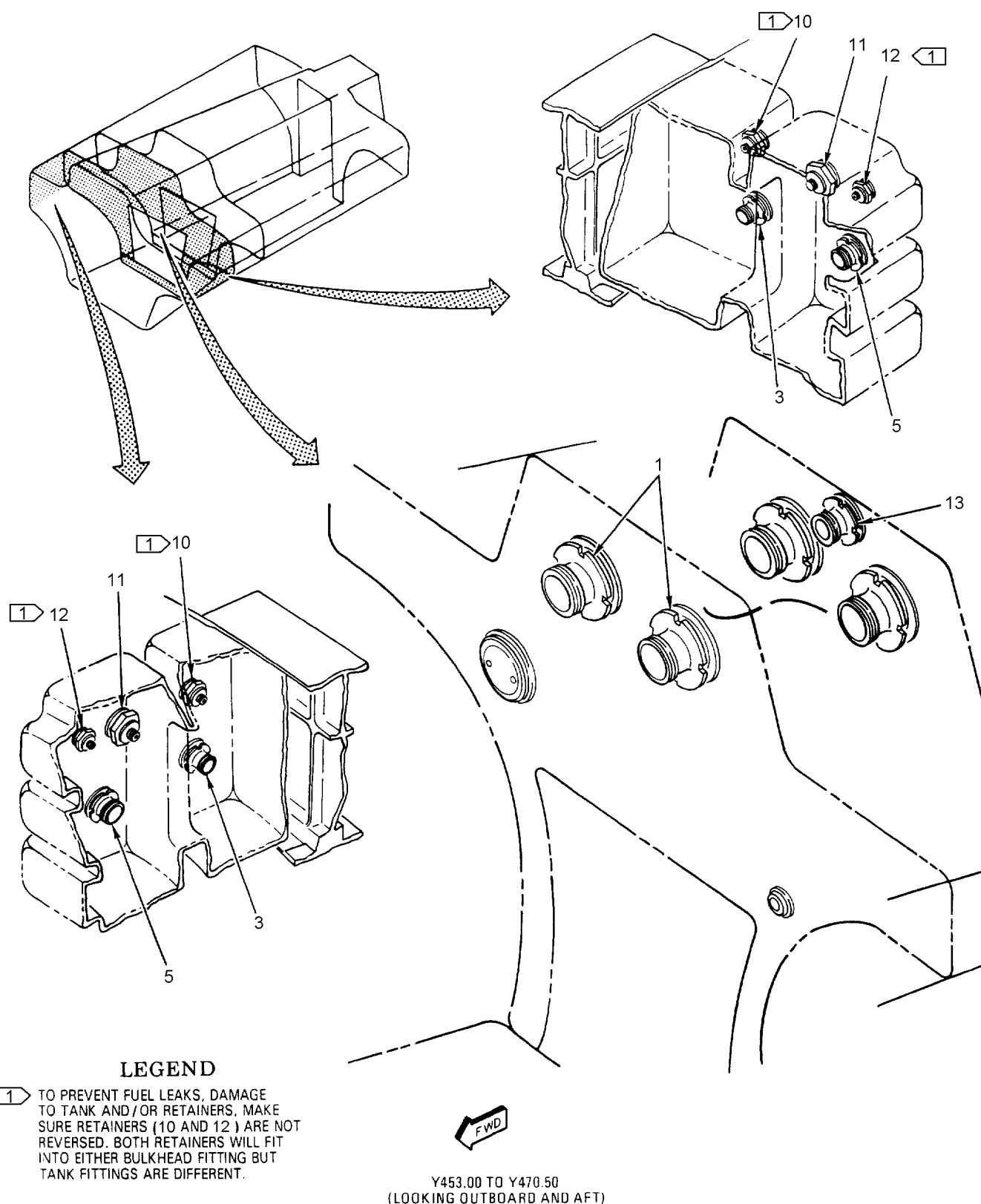
Figure 4. No. 3 Fuel Tank Retainers (Sheet 4)

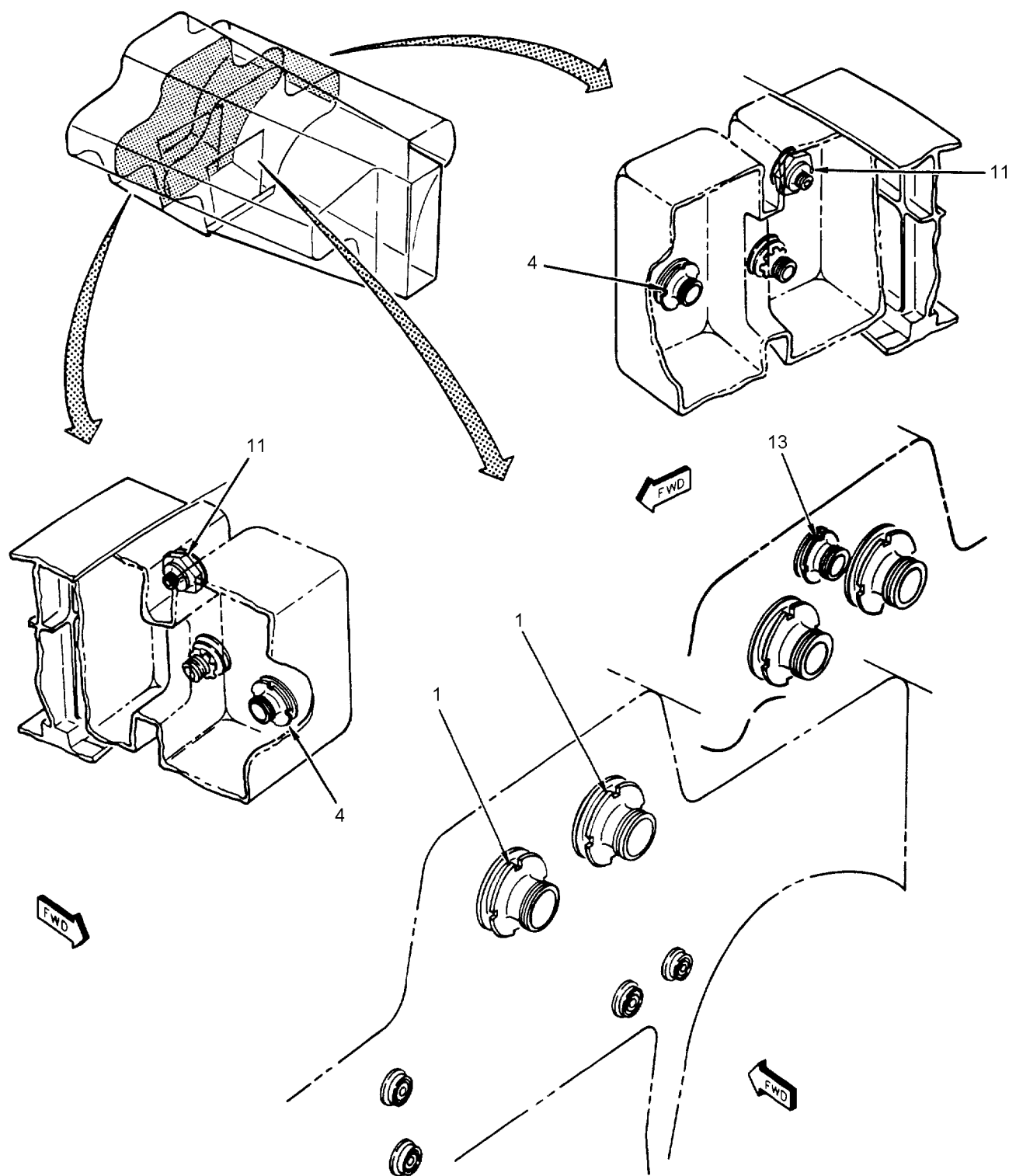


Y453.00
(LOOKING FORWARD)

38010501

Figure 5. No. 4 Fuel Tank Retainers (Sheet 1)





Y470.50 TO Y488.00
(LOOKING OUTBOARD AND FORWARD)

38010503

Figure 5. No. 4 Fuel Tank Retainers (Sheet 3)

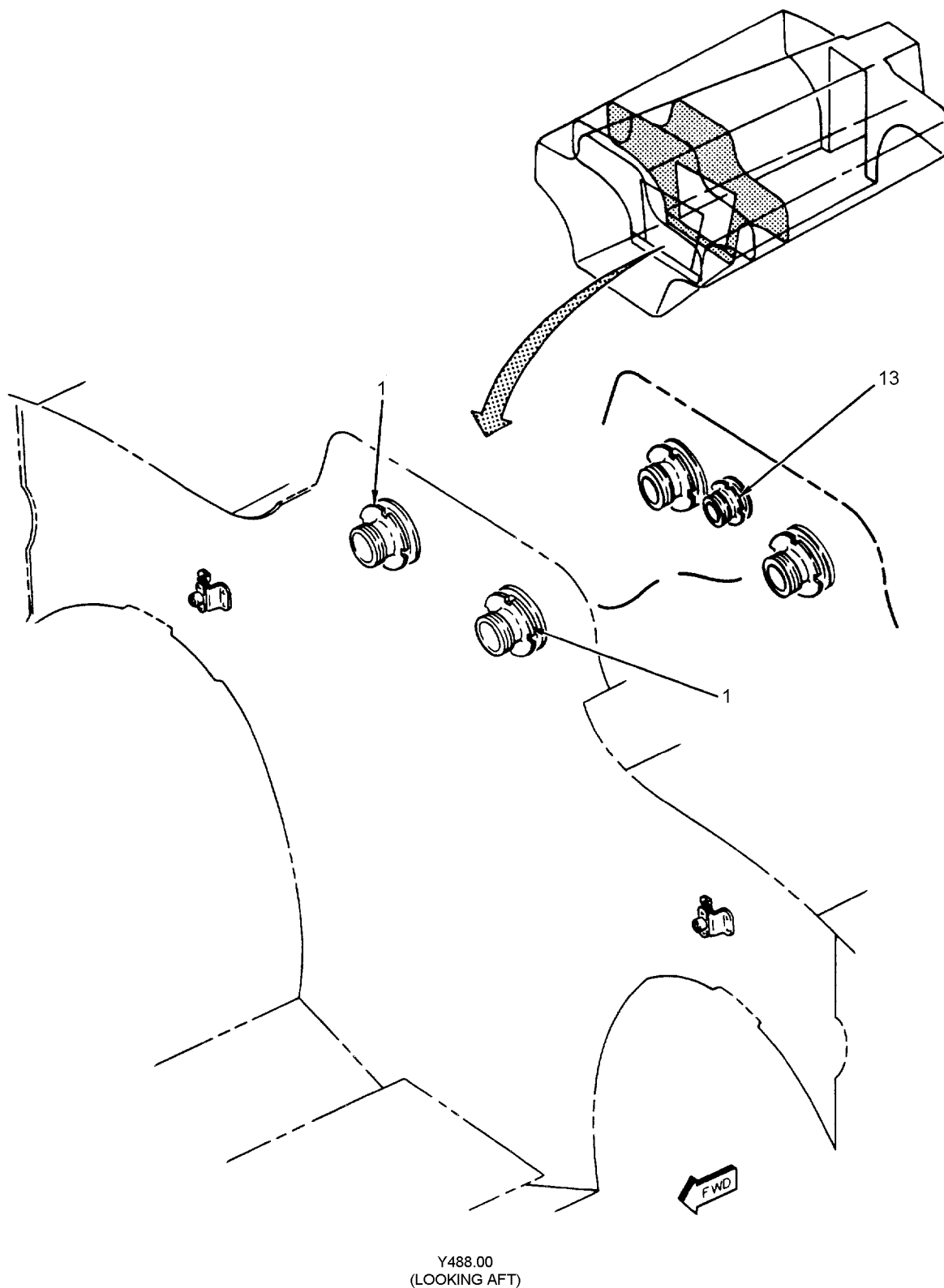


Figure 5. No. 4 Fuel Tank Retainers (Sheet 4)

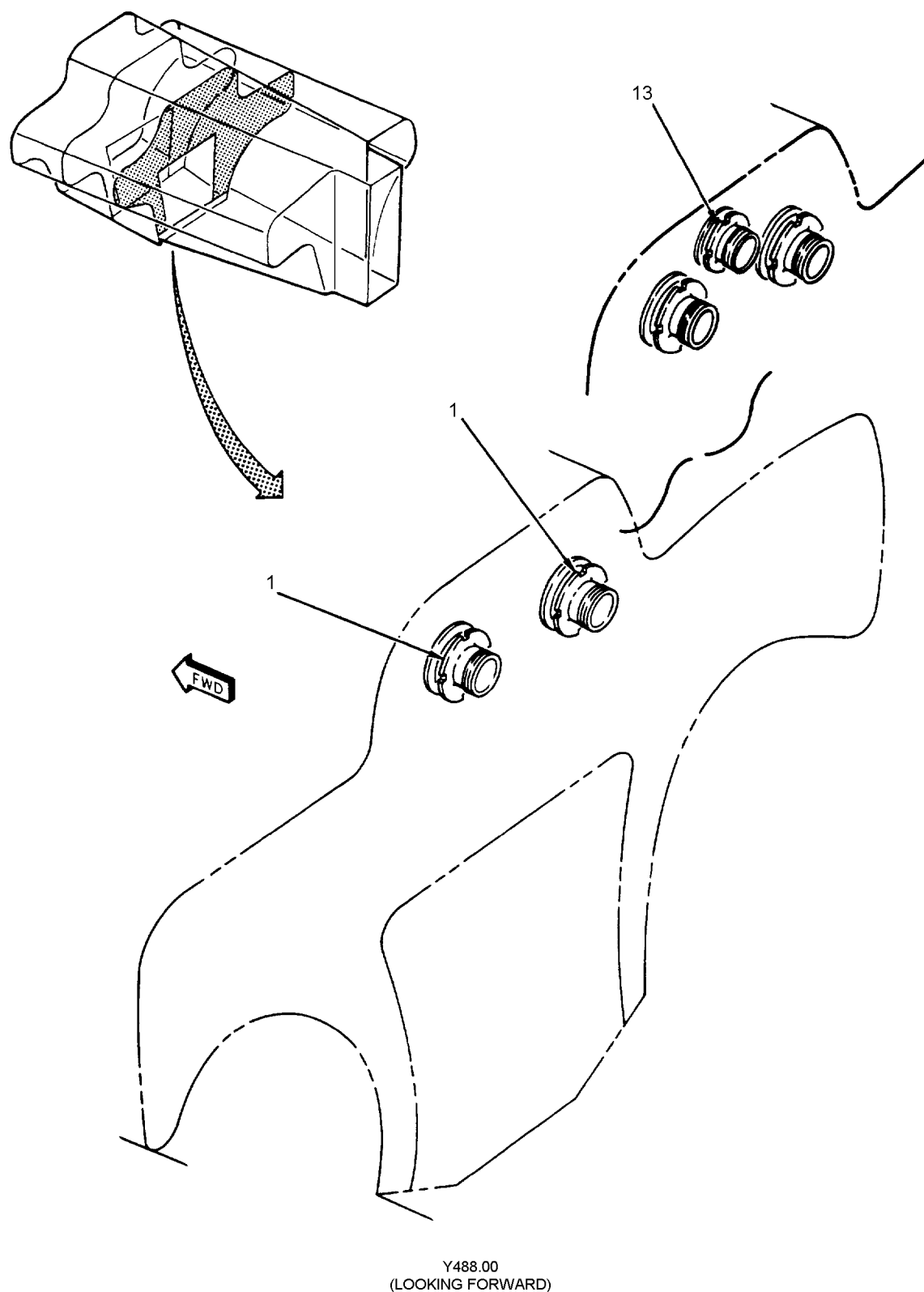


Figure 5. No. 4 Fuel Tank Retainers (Sheet 5)

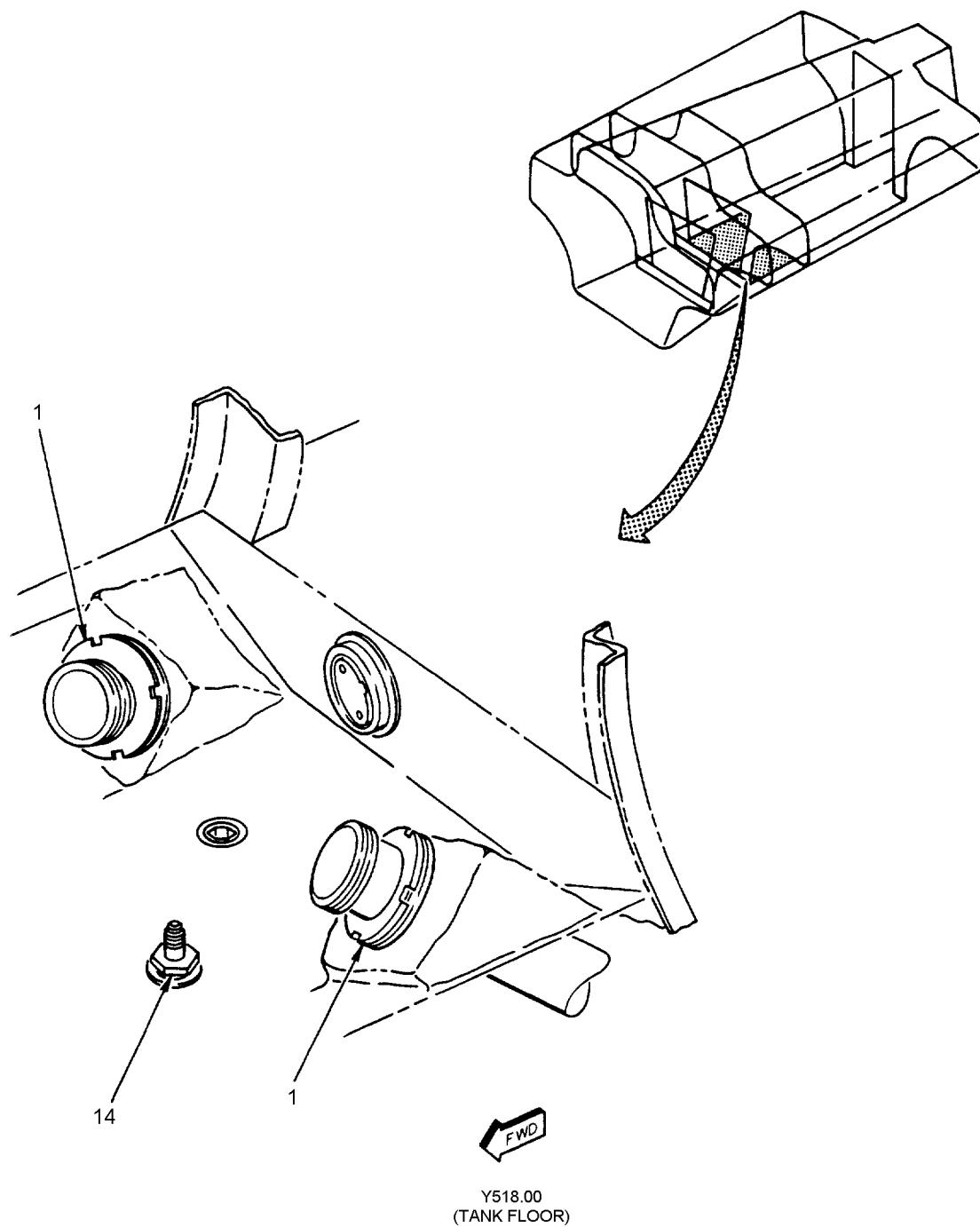


Figure 5. No. 4 Fuel Tank Retainers (Sheet 6)

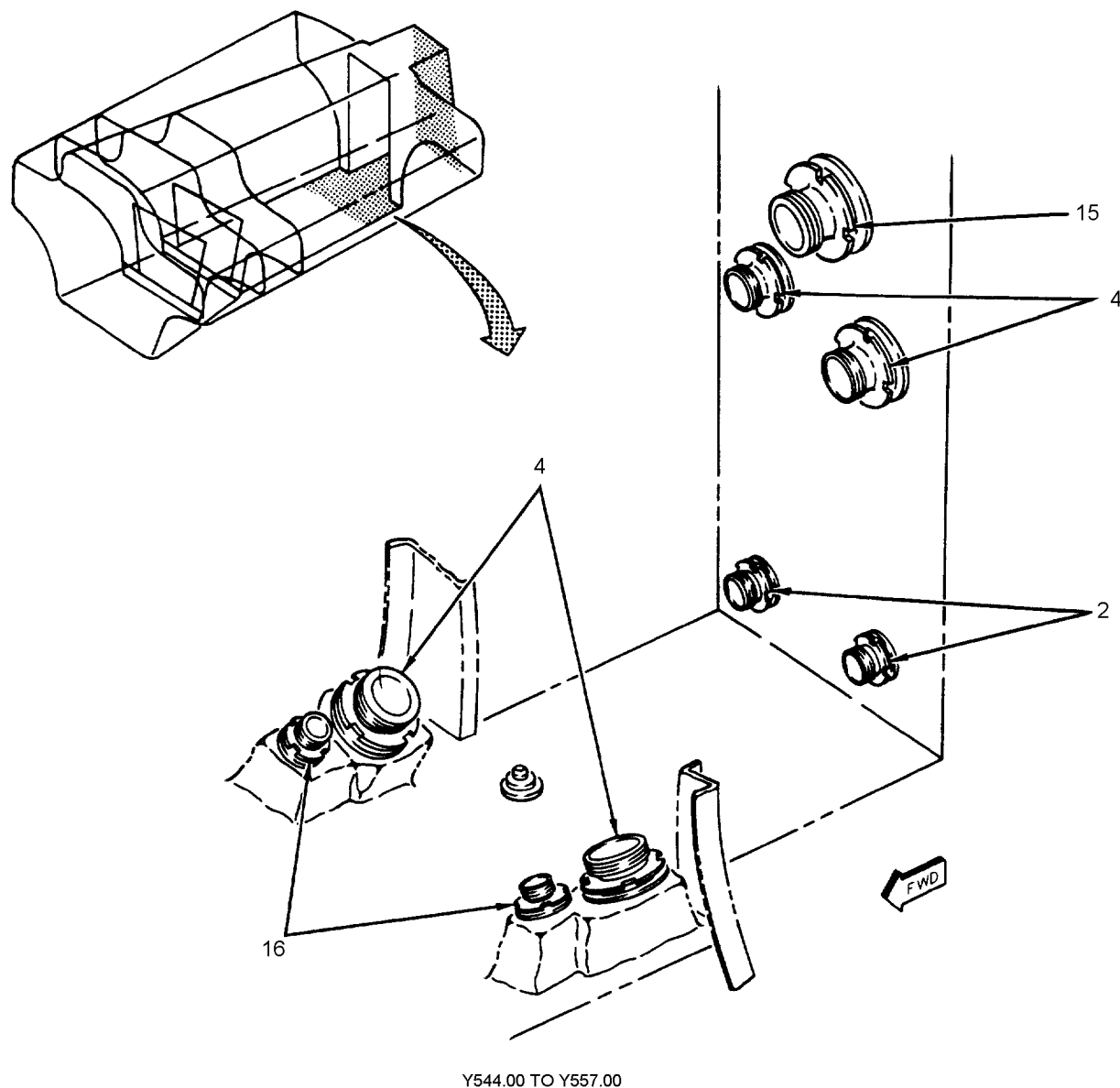


Figure 5. No. 4 Fuel Tank Retainers (Sheet 7)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 4 FUEL TANK RETAINERS			
1	74A585730-2001	. RETAINER ASSEMBLY - FUEL CELL FITTING, . . . BHD, 2.50 DIA (76301) (REPLACES 74A585730-1001)	12		PAOZZ
	74A585730-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	12	F	PAOZZ
	MS29513-337	. PACKING (USE WITH INDEX 1).	1		PAOZZ
2	74A585735-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.00 DIA, ASSY OF (76301) (REPLACES 74A585735-1001)	5		PAOZZ
	74A585735-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	5	G	PAOZZ
	MS29513-325	. PACKING (USE WITH INDEX 2).	1		PAOZZ
3	74A585734-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.25 DIA, ASSY OF (76301) (REPLACES 74A585734-1001)	3		PAOZZ
	74A585734-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	3	F	PAOZZ
	MS29513-327	. PACKING (USE WITH INDEX 3).	1		PAOZZ
4	74A585733-2005	. RETAINER, FUEL CELL FITTING - BHD, 2.00 DIA, ASSY OF (76301) (REPLACES 74A585733-1001)	7		PAOZZ
	74A585733-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	7	G	PAOZZ
	MS29513-333	. PACKING (USE WITH INDEX 4).	1		PAOZZ
5	74A585739-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.50 DIA, ASSY OF (76301) (REPLACES 74A585739-1001)	4		PAOZZ
	74A585739-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	4	F	PAOZZ
	MS29513-329	. PACKING (USE WITH INDEX 5).	1		PAOZZ
6	74A585731-2003	. RETAINER, FUEL CELL FITTING - BHD, 2.50 DIA, ASSY OF (76301) (REPLACES 74A585731-1001)	1		PAOZZ
	74A585731-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	G	PAOZZ
	MS29513-339	. PACKING (USE WITH INDEX 6).	1		PAOZZ
7	74A585738-2001 †	. RETAINER, FUEL CELL FITTING - BHD, ASSY. OF (76301)	1	A	PAOZZ
	74A585738-1001 †	. SEE ABOVE.	1	A*	PAOZZ
	74A587116-2001	. RETAINER, FUEL CELL FITTING - BHD, ASSY. OF (76301) (REPLACES 74A587116-1003)	1	B	PAOZZ
	74A587116-1003	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	H	PAOZZ
	MS29513-333	. PACKING (USE WITH INDEX 7).	1		PAOZZ
8	74A585733-2005	. RETAINER FUEL CELL FITTING - BHD, 2.00 DIA. ASSY OF (76301)	1	D	PAOZZ
	MS29513-335	. PACKING	1	D	PAOZZ
9	74A585733-2001 +	. RETAINER FUEL CELL FITTING - BHD, 2.00 DIA. ASSY OF (76301)	1	E	PAOZZ
	74A585733-1001 +	. SEE ABOVE.	1	E*	PAOZZ
	MS29513-335	. PACKING (USE WITH INDEX 7).	1		PAOZZ
10	74A585760-2001	. RETAINER, FUEL CELL FITTING - TANK PRESS, WING, ASSY OF (76301) (REPLACES 74A585760-1001)	2		PAOZZ
	74A585760-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	J	PAOZZ
	M25988/1-315	. PACKING (USE WITH INDEX 10).	1		PAOZZ
11	74A585761-2001	. RETAINER, FUEL CELL FITTING - WING INTFC, 0.75 DIA ASSY OF (76301) (REPLACES 74A585761-1001)	4		PAOZZ
	74A585761-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	4	G	PAOZZ
	M25988/1-322	. PACKING (USE WITH INDEX 11).	1		PAOZZ
12	74A585759-2001	. RETAINER, FUEL CELL FITTING - PRECHECK, WNG, ASSY OF (76301) (REPLACES 74A585759-1001)	2		PAOZZ

Figure 5. No. 4 Fuel Tank Retainers (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	74A585759-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	J	PAOZZ
	M25988/1-312	. PACKING (USE WITH INDEX 12).	1		PAOZZ
13	74A585734-2001 ††	. RETAINER, FUEL CELL FITTING - BHD, 1.25 DIA, ASSY OF (76301)	4	C	PAOZZ
	74A585734-1001 ††	. SEE ABOVE.	4	C*	PAOZZ
	MS29513-327	. PACKING (USE WITH INDEX 13).	1		PAOZZ
14	74A585736-2003	. RETAINER, FUEL CELL FITTING - BHD, 0.375 DIA, ASSY OF (76301) (REPLACES 74A585736-1003)	1		PAOZZ
	74A585736-1003	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	G	PAOZZ
	M25988/1-315	. PACKING (USE WITH INDEX 14).	1		PAOZZ
15	74A585747-2001	. RETAINER, FUEL CELL FITTING - BULKHEAD. 3.00 DIA, ASSY OF (76301) (REPLACES 74A585747-1001)	1		PAOZZ
	74A585747-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	K	PAOZZ
	MS29513-341	. PACKING (USE WITH INDEX 15).	1		PAOZZ
16	74A585748-2001	. RETAINER, TANK BAY FLOOR, TUBE TO -. FUEL RECIRC, ASSY OF (76301) (REPLACES 74A585748-1001)	2		PAOZZ
	74A585748-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	L	PAOZZ
	M25988/1-322	. PACKING (USE WITH INDEX 16)	1		PAOZZ

* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

+ USE 74A585733-2001 AS REPLACEMENT PART FOR 74A585733-1001

† USE 74A585738-2001 AS REPLACEMENT PART FOR 74A585738-1001

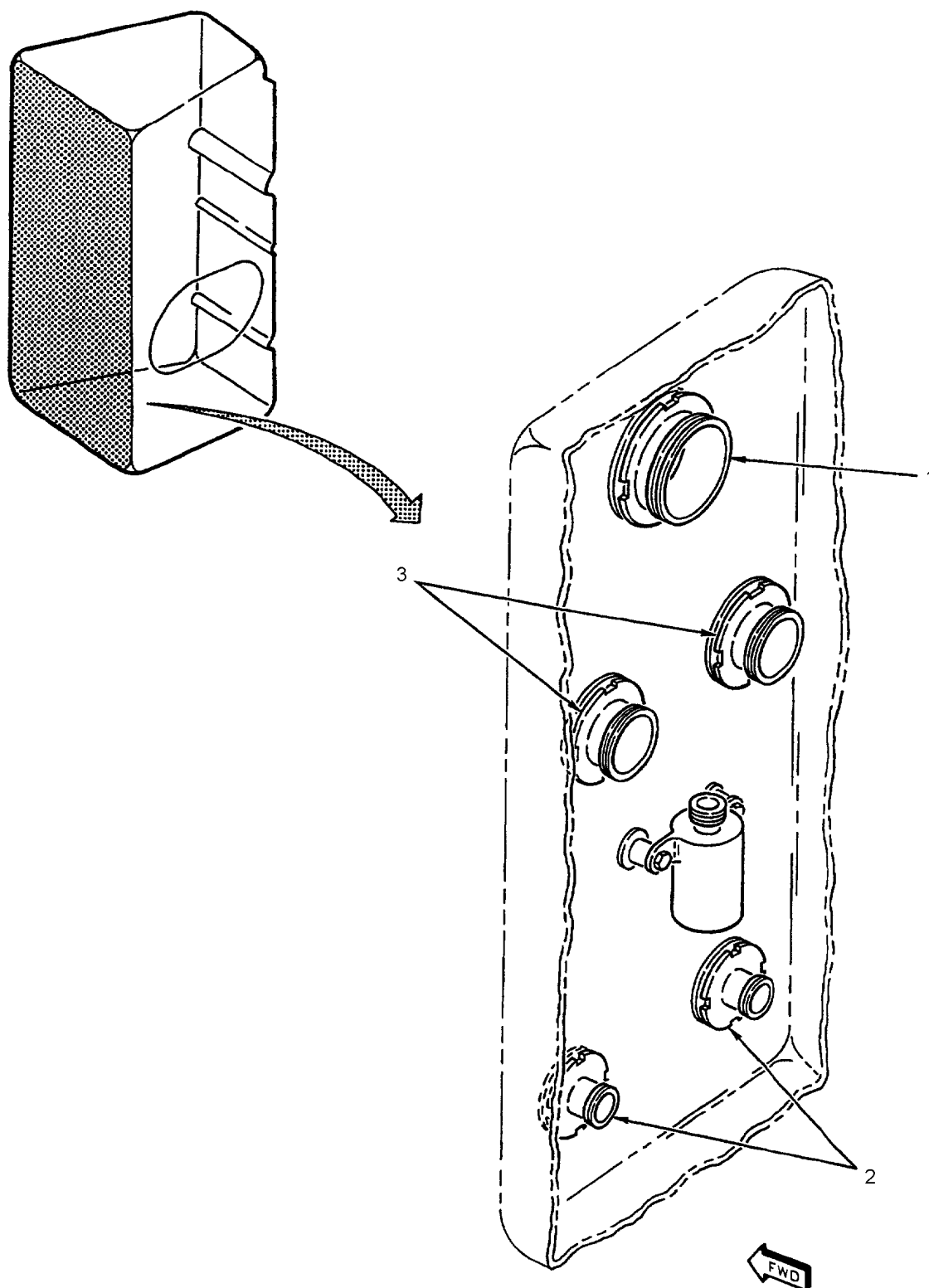
†† USE 74A585734-2001 AS REPLACEMENT PART FOR 74A585734-1001

CODE	USABLE ON	MODEL
A	161353 THRU 161761	F/A-18A/B
B	161924 & UP	F/A-18A/B
C	161353 THRU 161741	F/A-18A/B
D	161983 & UP; ALSO 161742 THRU 161982 AFTER F/A-18 IAFC 017 PART 1 AND 161353 THRU 161741 AFTER F/A-18 IAFC 017 PART 2	F/A-18A/B

Figure 5. No. 4 Fuel Tank Retainers (Sheet 9)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		E				161742 THRU 161982		F/A-18A/B			
						BEFORE F/A-18 IAFC					
						017 PART 1 AND 161353					
						THRU 161741 BEFORE					
						F/A-18 IAFC 017 PART 2					
		F				161716 THRU 162411		F/A-18A/B			
		G				161716 THRU 162414		F/A-18A/B			
		H				161924 THRU 162414		F/A-18A/B			
		J				161716 THRU 162407		F/A-18A/B			
		K				161716 THRU 162405		F/A-18A/B			
		L				161716 THRU 162401		F/A-18A/B			

Figure 5. No. 4 Fuel Tank Retainers (Sheet 10)



38010601

Figure 6. Vent Tank Retainers (Sheet 1)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		VENT TANK RETAINERS			
1	74A585747-2001	. RETAINER, FUEL CELL FITTING - BULKHEAD. 3.00 DIA, ASSY OF (76301) (REPLACES 74A585747-1001)	1		PAOZZ
	74A585747-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	1	B	PAOZZ
	MS29513-341	. PACKING (USE WITH INDEX 1).	1		PAOZZ
2	74A585735-2001	. RETAINER, FUEL CELL FITTING - BHD, 1.00 DIA, ASSY OF (76301) (REPLACES 74A585735-1001)	2		PAOZZ
	74A585735-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	A	PAOZZ
	MS29513-325	. PACKING (USE WITH INDEX 2).	2		PAOZZ
3	74A585733-2001	. RETAINER, FUEL CELL FITTING - BHD, 2.00 DIA, ASSY OF (76301) (REPLACES 74A585733-1001)	2		PAOZZ
	74A585733-1001	. SEE ABOVE (USE UNTIL EXHAUSTED).	2	A	PAOZZ
	MS29513-333	. PACKING (USE WITH INDEX 3).	2		PAOZZ

CODE	USABLE ON	MODEL
A	161716 THRU 162414	F/A-18A/B
B	161716 THRU 162405	F/A-18A/B

Figure 6. Vent Tank Retainers (Sheet 2)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

FUEL TANK CAVITY PREPARATION

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-310
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Line Maintenance Procedures	A1-F18AC-LMM-000

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Anti-Chafe Tape Application, Figure 1	4
Cleaning	3
Fuel Cavity Drains, Figure 2	7
Fuel Cavity Drain Valves	2
HI-LOK Cover Installation, Figure 3	11
Materials Required	1
Metal Seal Cover Installation	3
Preparation	2
Support Equipment Required	1

Record of Applicable Technical Directives

None

Support Equipment Required

Materials Required

Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern	-	Plastic or Wooden Scraper
538A	Air Regulator Assembly with Oil/Water Separator and Gauge (20 to 40 psi)	CCC-C-440, Type 1, Class 1 (CAGE 81348) 8544-2-000 Black (CAGE 04963) (Anti-Chafe)	Cheesecloth Tape, Pressure Sensitive

Materials Required (Cont)**Specification
or Part Number****Nomenclature**

TT-I-735
(CAGE 81348)

Isopropyl Alcohol

MIL-S-8802,
TY2CLA-1/2
(CAGE 81349)
or PR 1422A-1/2
(CAGE 83574)

Sealing Compound

1. PREPARATION.

a. Observe applicable fuel tank maintenance precautions (WP013 00).

b. Inspect area to be taped for:

- (1) loose or missing fasteners
- (2) cracks
- (3) burrs
- (4) damage

2. ANTI-CHAFE (PRESSURE SENSITIVE) TAPE APPLICATION.

Work that causes chips such as filing or drilling must be done before taping. Cavity must be thoroughly cleaned of foreign material.

NOTE

Fasteners or joints covered by backing boards are not required to be taped.

Fasteners protruding more than 0.125 inch requires foam filler and anti-chafe tape.

Threaded collars that can not be covered enough with foam filler and anti-chafe tape required metal seal covers per paragraph 4.

a. Clean area to be taped per paragraph 4.

b. Apply anti-chafe tape to exposed honeycomb (figure 1), as applicable.

c. Apply anti-chafe tape to fasteners protruding more than 0.125 inch per substeps below:

(1) Cut and trim foam filler per dimensions in figure 1.

(2) Position foam in proper location. Apply hand pressure to foam in fastener area.

(3) Remove foam and cut a continuous line through fastener impressions, on foam, 1/2 thickness of foam.

(4) Reposition foam and press into place using hand pressure. Work foam around fasteners until foam lays flat.

(5) Apply anti-chafe tape to exposed foam (figure 1).

(6) Threaded collars that can not be covered enough with foam filler and anti-chafe tape must be covered with metal seal cover per paragraph 4. (QA)

d. Apply tape as required over: (Figure 1 shows typical tape installations)

- (1) rivets
- (2) nuts
- (3) bolts
- (4) lap joints with a thickness of 0.126 inch or more
- (5) sharp or rough areas of backing boards
- (6) sharp edges that could chafe tank (See figure 1)

e. Smooth out wrinkles or bubbles in anti-chafe tape.

3. FUEL CAVITY DRAIN VALVES.**NOTE**

Fuel cavity drain must be clear of anti-chafe tape and obstructions to drain effectively.

a. Make sure anti-chafe tape does not cover fuel cavity drain opening (figure 2) or fuel cavity drain covers.

WARNING

To prevent personal injury, do not direct external air source against skin or eyes.

b. Apply low pressure (20 to 40 psi) external air source at fuselage drain valve opening (A1-F18AC-LMM-000) and check for unobstructed air flow at fuel cavity drain valve.

4. METAL SEAL COVER INSTALLATION.

Isopropyl Alcohol, TT-I-735

2

a. Clean metal seal covers (1, 2 or 3, figure 3) and surface around hi lok collar on structure with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth before isopropyl alcohol evaporates. Repeat procedure until no visible contamination remains.



Sealing Compound, PR 1422A-1/2

11



Sealing Compound, MIL-S-8802, TY2CLA-1/2

3

CAUTION

Sealing compound shall not contact fuel tank or cavity fitting packing sealing surfaces.

b. Lightly coat sealing surface at metal seal covers (1, 2 or 3) with sealing compound, then install.

c. Remove excess sealing compound with cheesecloth moistened with isopropyl alcohol.

d. Apply anti-chafe tape over metal seal covers (figure 1).

5. CLEANING.

Isopropyl Alcohol, TT-I-735

2

a. Using a plastic or wooden scraper and cheesecloth moistened with isopropyl alcohol, remove all visible contamination.

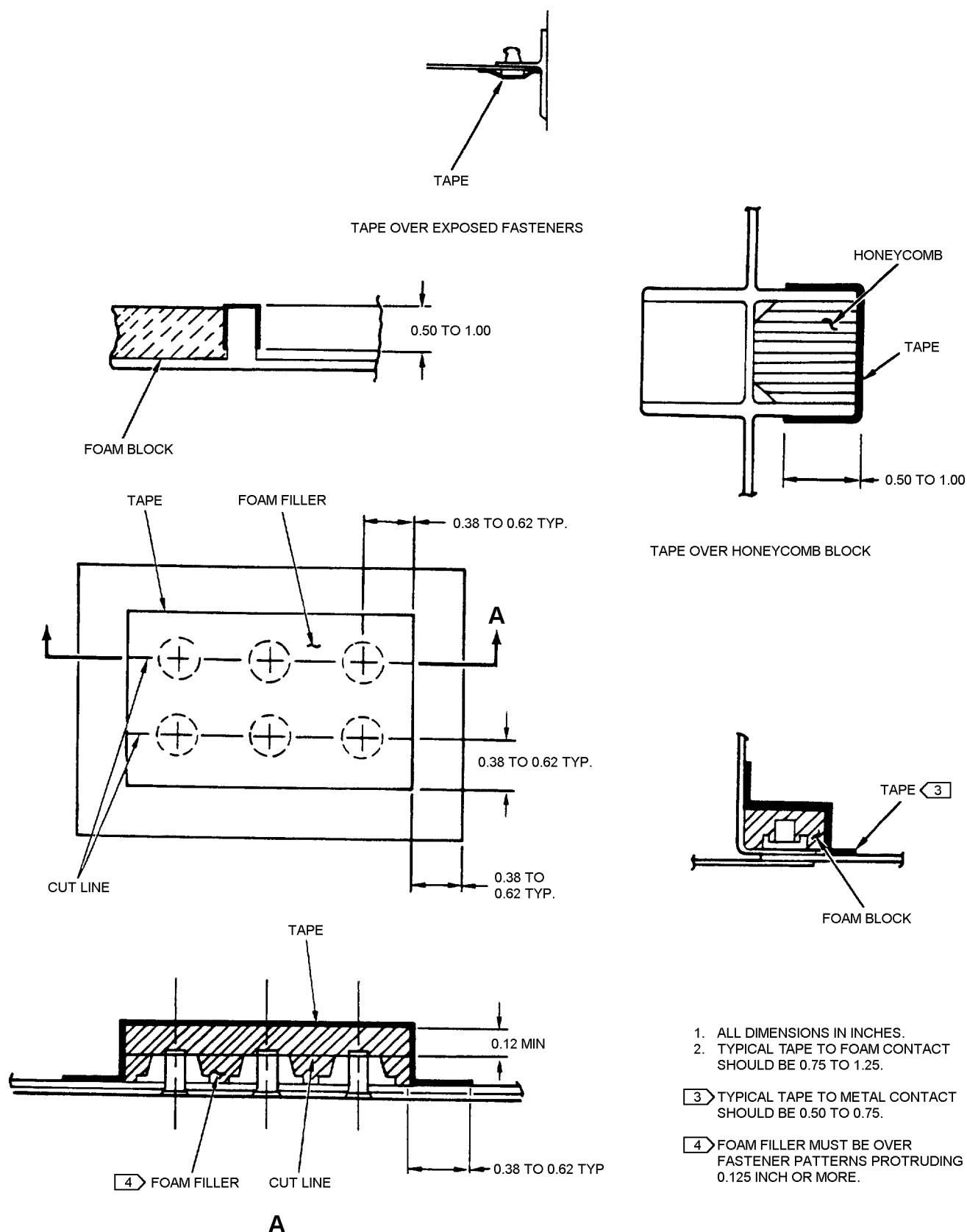
b. Wipe area with dry clean cheesecloth before isopropyl alcohol evaporates.

c. Wipe residual fuel from foam/honeycomb blocks and let dry. Replace foam blocks that are fuel soaked. Fuel soaked blocks have lost rigidity, seep fuel when compressed and/or come apart when handled.

d. Remove all loose foreign material from inside cavity.

6. ILLUSTRATED PARTS BREAKDOWN.

7. This illustrated parts breakdown has data required for identifying and ordering parts. This manual has more information on IPB data.



03900101

Figure 1. Anti-Chafe Tape Application (Sheet 1)

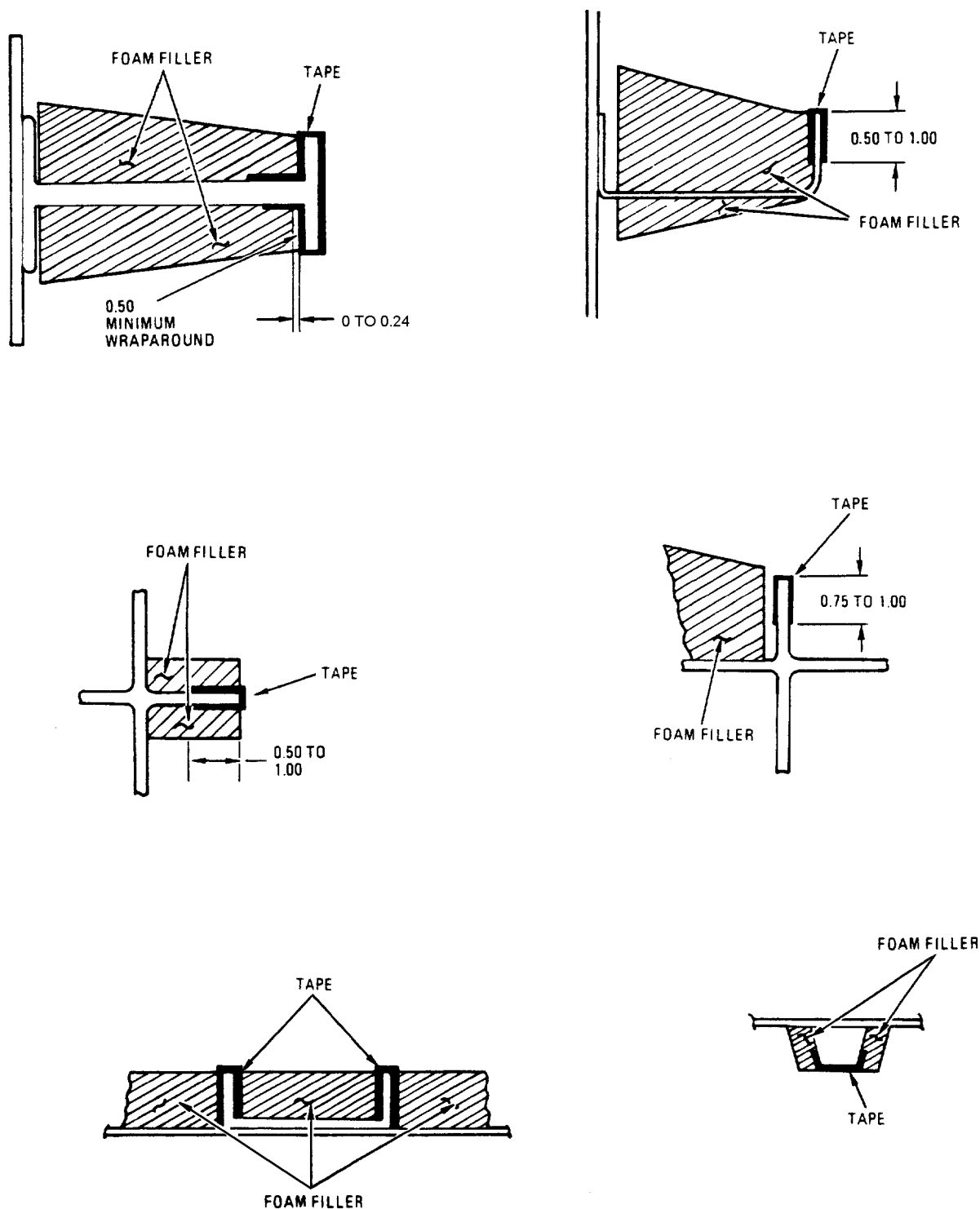


Figure 1. Anti-Chafe Tape Application (Sheet 2)

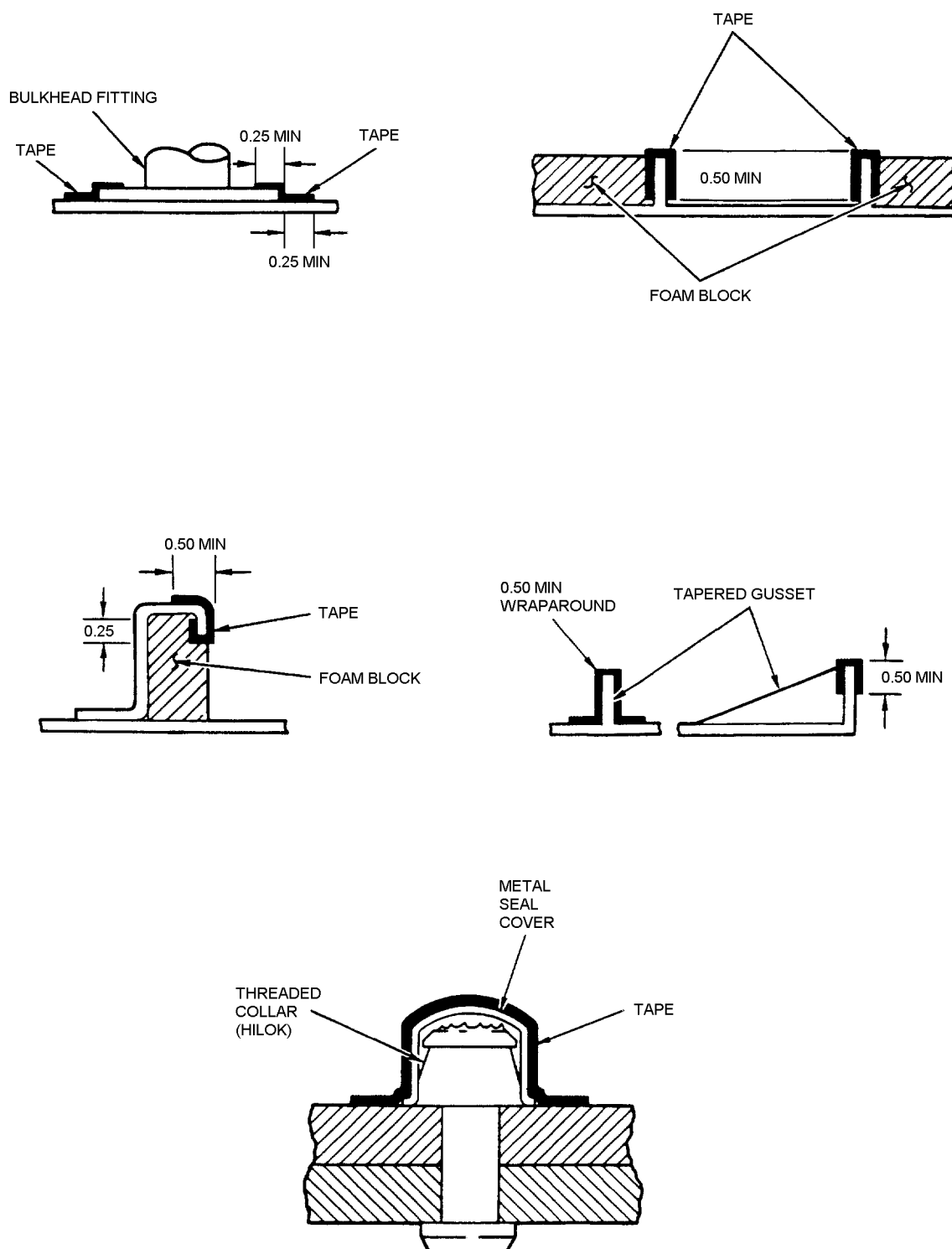
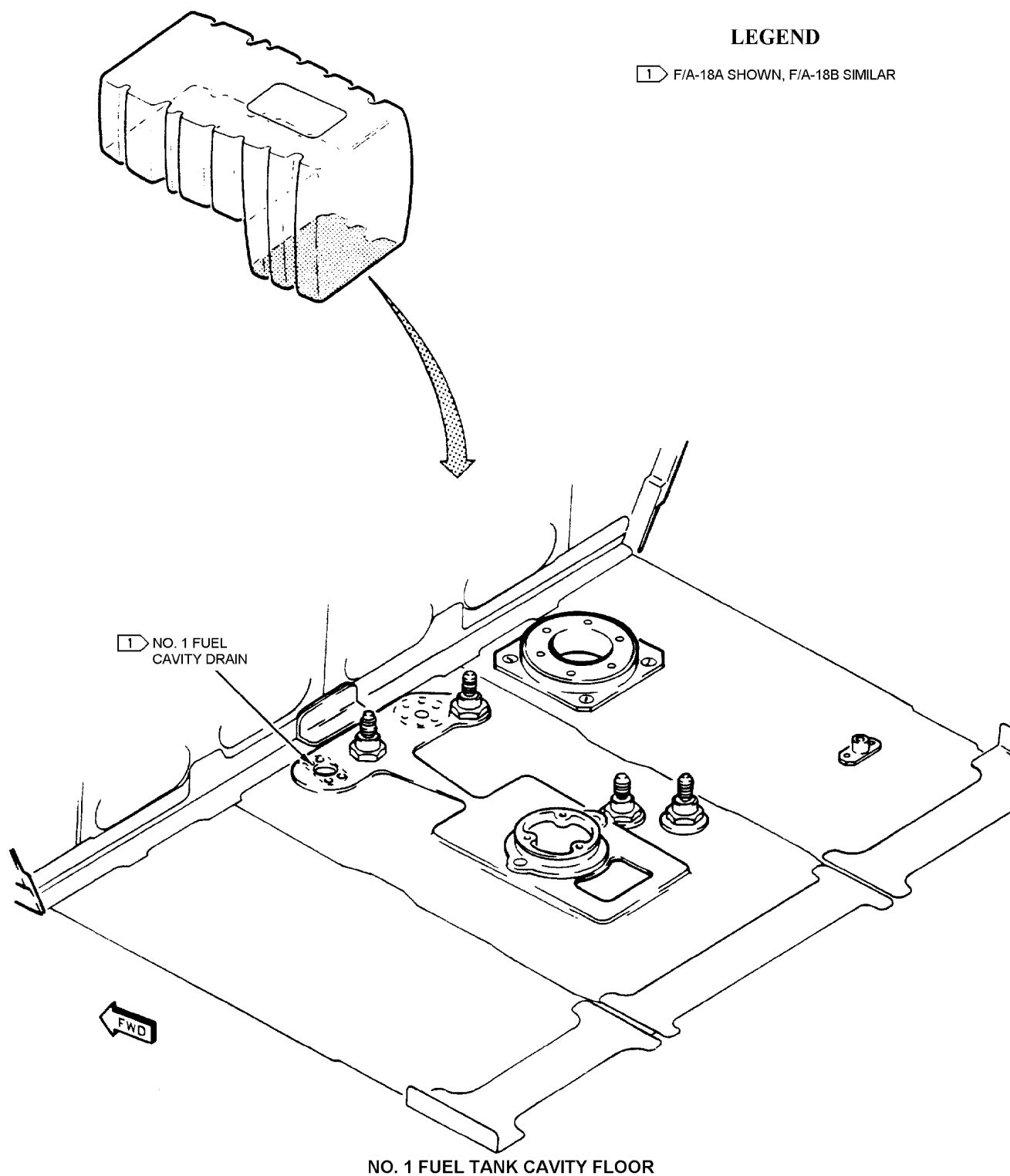


Figure 1. Anti-Chafe Tape Application (Sheet 3)



03900201

Figure 2. Fuel Cavity Drains (Sheet 1)

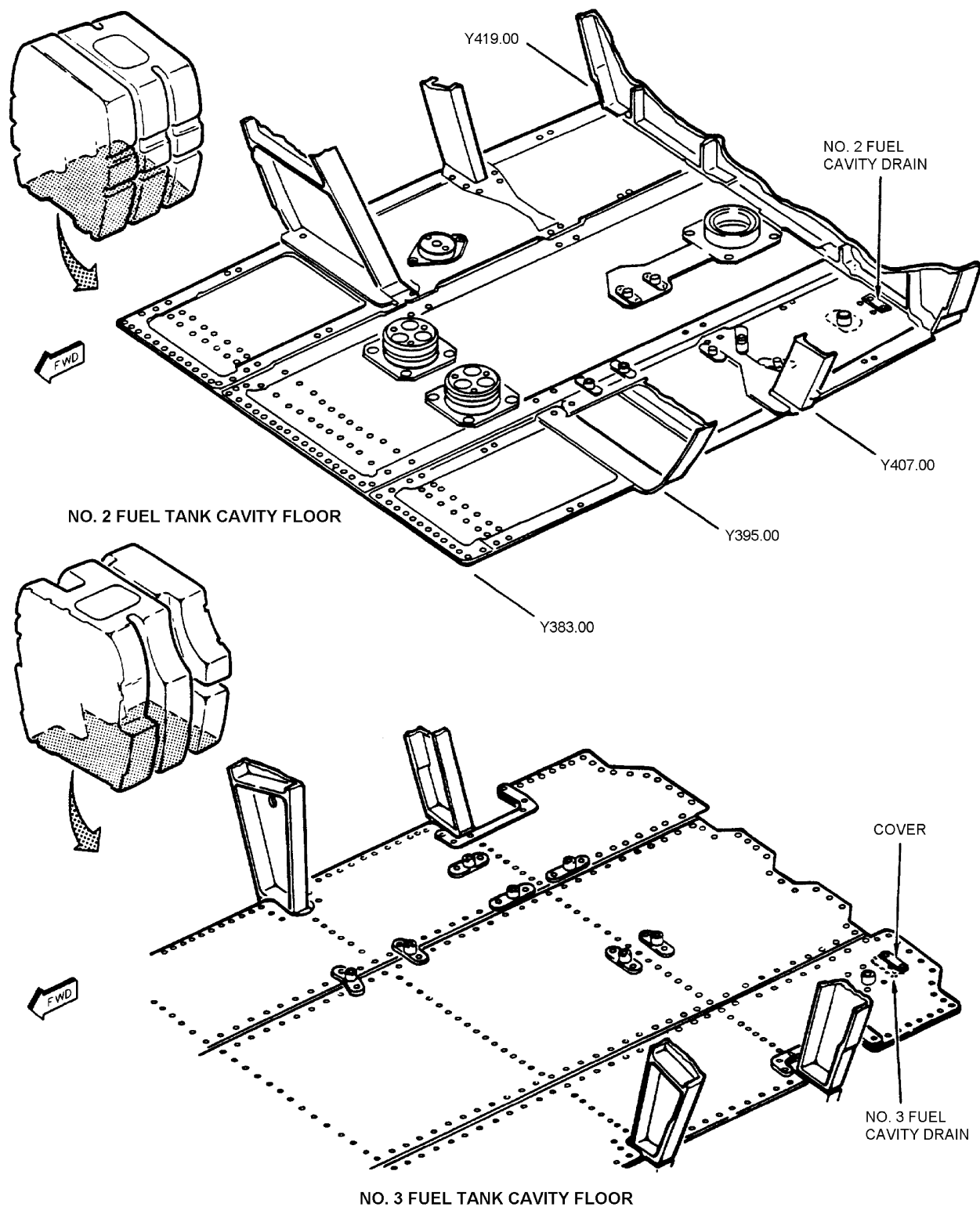


Figure 2. Fuel Cavity Drains (Sheet 2)

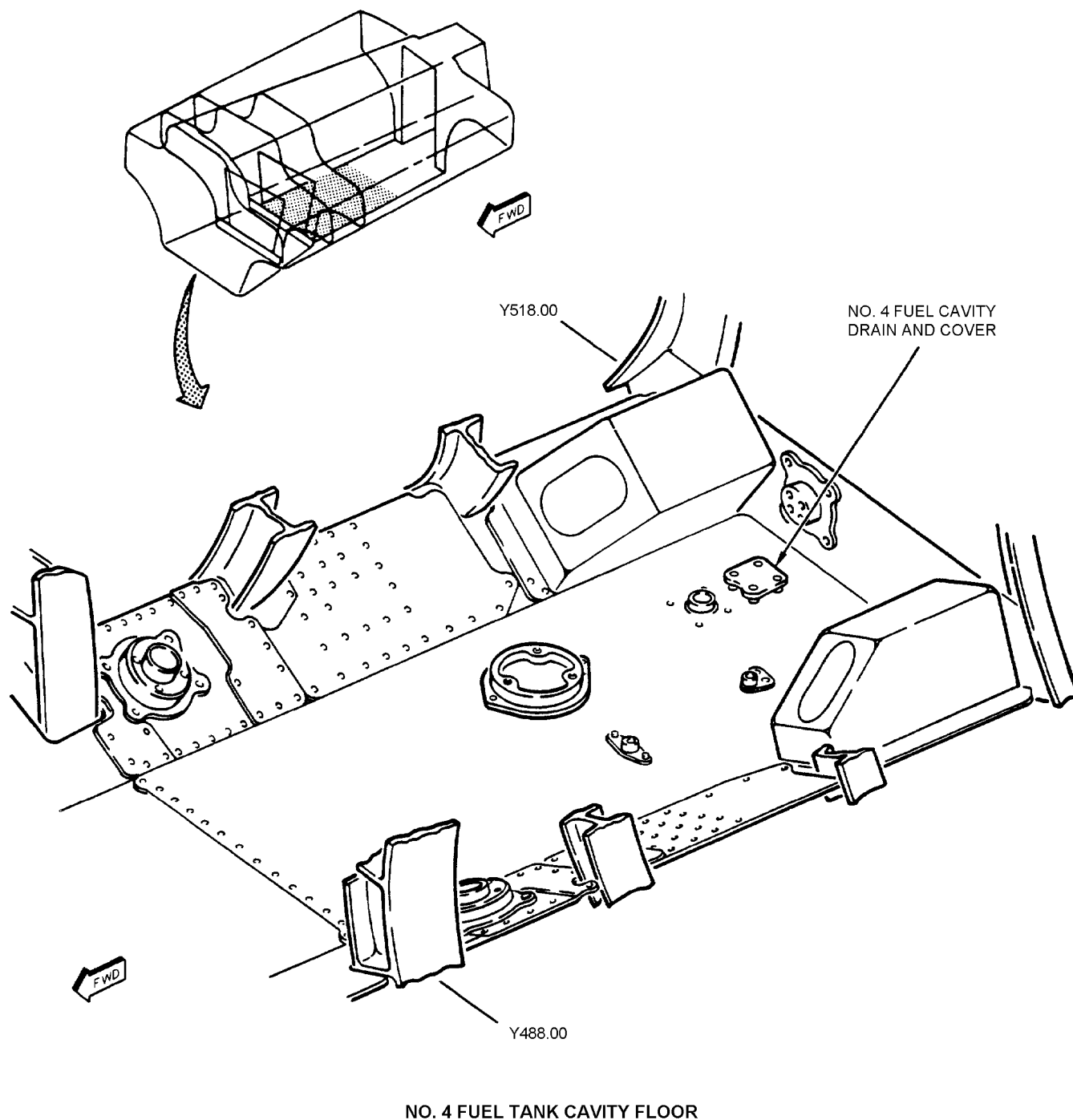


Figure 2. Fuel Cavity Drains (Sheet 3)

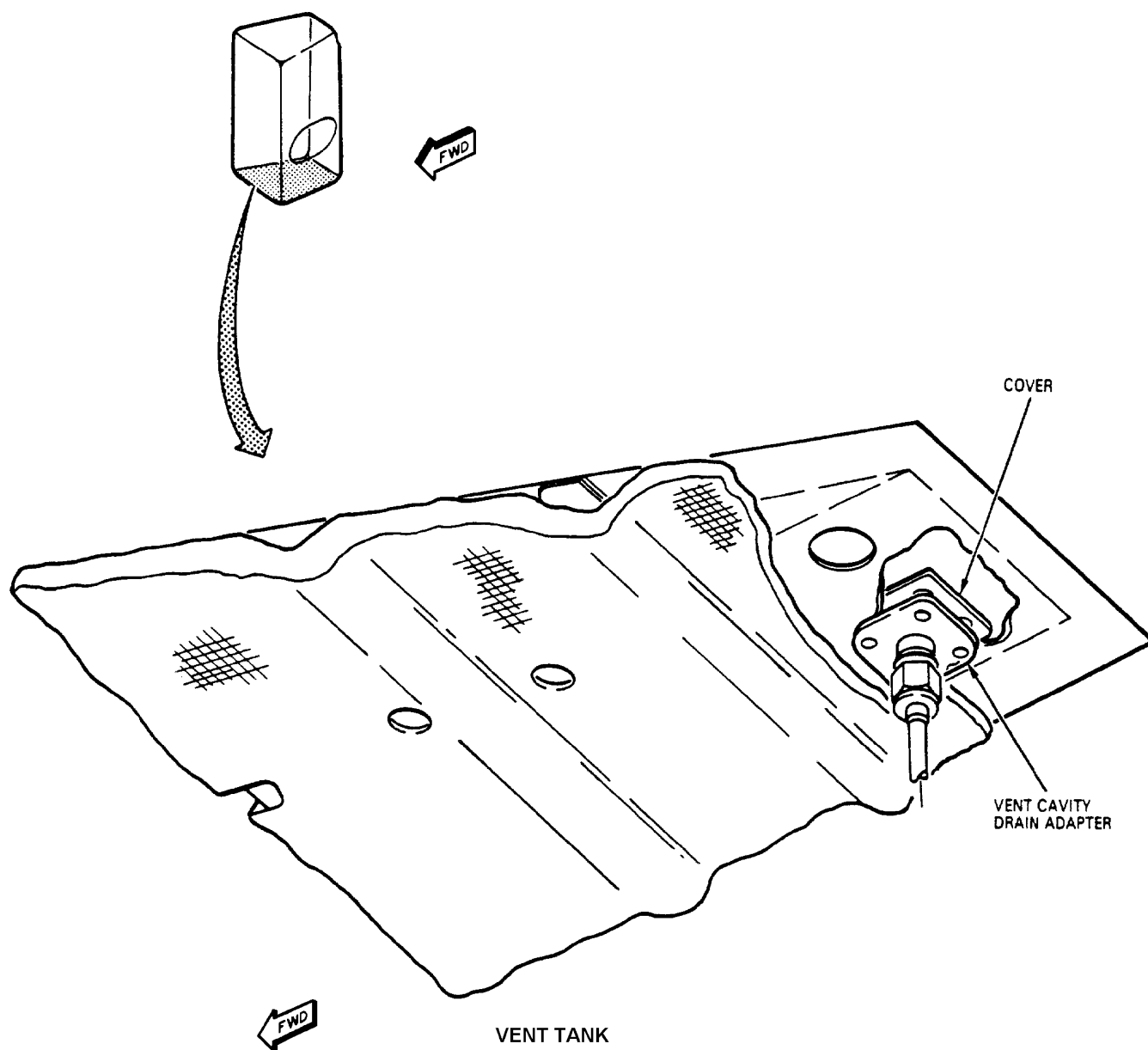
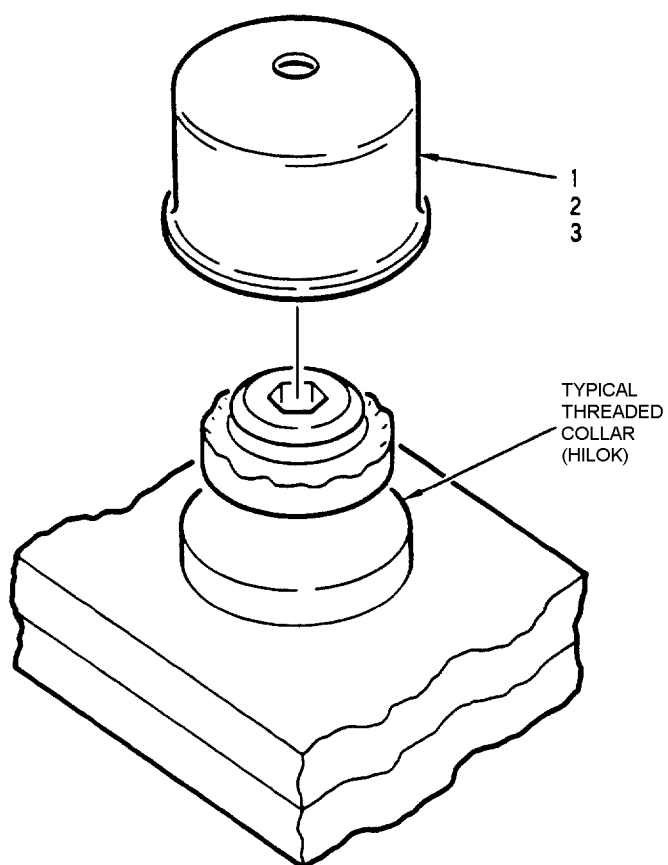


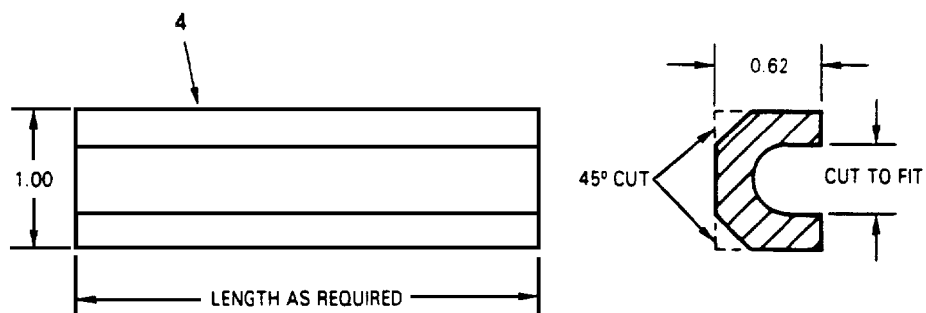
Figure 2. Fuel Cavity Drains (Sheet 4)



COVERING INDIVIDUAL HI-LOKS

LEGEND

ALL DIMENSIONS IN INCHES



COVERING HI-LOKS IN ROWS

Figure 3. HI-LOK Cover Installation (Sheet 1)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		HI-LOK COVER INSTALLATION									
1	9M652-08	.							AR		PAOZZ
2	9M652-3	.							AR		PAOZZ
3	9M652-4	.							AR		PAOZZ
4	74A586400-3477	.							AR		MGOZZ

Figure 3. HI-LOK Cover Installation (Sheet 2)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

NO. 1 FUEL TANK CAVITY BULKHEAD FITTINGS AND SUPPORTS

FUEL STORAGE SYSTEM

Reference Material

Plane Captain Manual	A1-F18AC-PCM-000
Line Maintenance Access Doors	A1-F18AC-LMM-010
Fuel System	A1-F18AC-460-300
Removal - No. 1 Fuel Tank - F/A-18A	WP010 00
Removal - No. 1 Fuel Tank - F/A-18B	WP014 00
Installation - No. 1 Fuel Tank- F/A-18A	WP011 00
Installation - No. 1 Fuel Tank - F/A-18B	WP015 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Protruding Type Bulkhead Connector Replacement	WP013 02
Structural Hardware	NAVAIR 01-1A-8
Structure Repair - General Information	A1-F18AC-SRM-200
Line Maintenance Procedures	A1-F18AC-LMM-000

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Materials Required	5
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Sealing	6
Support Equipment Required	6
Materials Required	6
Support Equipment Required	2

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or
Type Designation

Nomenclature

-	Rubber Gloves
-	Goggles
-	Brush (1/4 to 1/2 Inch, Paint Type)
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
NF20-1	Fuel Cell Breathing and Ventilating System

To prevent scoring of bulkhead connector, retaining rings must be deburred before installation.

(1) Deburr edges of ring (figure 2).

(2) Install ring (paragraph 3).

b. Make sure mating surfaces of fitting and structure are clean.

c. If fitting is riveted in position, touch-up any bare metal on fitting (except packing sealing surfaces or electrical bonding joints) with mixed epoxy primer. Mix primer per substeps below.

Materials Required

Specification
or Part Number

Nomenclature

-	Plastic or Wooden Scraper
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-C-85054, Type 1 (CAGE 80244)	Corrosion Prevention Compound
910X357 (CAGE 97460)	Converter
519X303 (CAGE 97460)	Primer
020X324 (CAGE 97460)	Thinner, Epoxy Primer
MIL-S-81733 TY4-12 (CAGE 80244)	Sealing Compound



Converter, 910X357

12



Primer, Epoxy 519X303

13



Thinner, Epoxy Primer, 020X324

14

NOTE

Add converter to primer, never add primer to converter. Thoroughly shake primer before mixing.

Mixed primer requires a 1 hour "sweat-in" period before use. Observe a 24 hour pot life for mixed primer.

1. GENERAL INSTALLATION REQUIREMENTS.

a. If installing rings, part number RST()CD-M9, do substeps below:

(1) Add one volume 910X357 converter to three volumes 519X303 primer and mix thoroughly.

(2) Thin mixed primer with one volume 020X 324 thinner and mix thoroughly.

d. Fillet seal all cavity fittings that do not have gaskets (A1-F18AC-SRM-200).

e. If fitting is bolted in position, do substeps below:

- (1) Clean fitting with clean cheesecloth.



Corrosion Prevention Compound, MIL-C-85054, Type 1

15

(2) Hold corrosion prevention compound 12 to 18 inches from fitting and spray a thin, uniform coat over the outside of the fitting.

- (3) Wait 1/2-hour, then apply a second coat.

2. REMOVAL.



Improper procedures could damage bulkhead connector which could lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

It may be possible to remove some cavity components, depending on location and type of attachment, without removing fuel tank.

a. Remove no. 1 fuel tank (WP010 00 or WP014 00), if required.

b. Remove part per applicable substep (see figure 1):

- (1) Supports (1, 3, 4, and 7, sheets 1 and 2)

- (a) Remove support and attaching parts.

(2) Supports (74, 87, 88 and 104, sheets 8, 12 and 14)

- (a) If required, open door 33 (A1-F18AC-LMM-010).

- (b) Remove support, gasket (if installed) and attaching parts.

- (c) Discard gaskets.

- (3) Supports (75, 78, 80, and 82, sheet 10)

- (a) Open door 14L/R (A1-F18AC-LMM-010).

- (b) Remove attaching parts from inside door 14L/R and remove support and gasket (if installed) from inside cavity.

- (c) Discard gaskets.

- (4) Tee assemblies (13, sheet 3)

- (a) As applicable, disconnect tubes (12, 15 or 16).

- (b) If applicable, remove elbow (9) or tee (8). On 161354 THRU 161947, if applicable, remove elbows (18).

- (c) Remove tee assemblies and attaching parts.

- (5) Nipples (10 and 17, sheet 3)

- (a) As applicable, disconnect tube (12 or 16) from nipple. On 161354 THRU 161947, as applicable, disconnect tube (19) from nipple.

- (b) Remove nipple and attaching parts.

- (6) Nipples (84 and 86, sheet 13)

- (a) Open door 33 (A1-F18AC-LMM-010).

- (b) Disconnect tube (89, 91 or 92) or elbow (96).

- (c) Remove nipple and related parts.

- (7) Connectors (protruding) (20, 27, 34, 42, 50, 60 and 65, sheets 5, 6, 7 and 8)

- (a) Remove connector, gaskets and attaching parts.

(8) Connectors (nonprotruding) (25, 32, 40, 47, 57 and 70, sheets 5, 6, 7 and 8)

(a) Remove connector, ring and attaching parts.

(9) Adapter (99, sheet 14)

(a) Remove door 35 (A1-F18AC-LMM-010).

(b) Remove coupling (101) per WP013 00 and packing (102).

(c) Remove adapter (99), gasket (100) and attaching parts.

3. INSTALLATION.



Improper procedures could damage bulkhead connector which could lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

Make sure corrosion prevention of fasteners and attaching parts is done during installation (A1-F18AC-LMM-000).

a. Install part per applicable substep (see figure 1):

(1) Supports (1 and 7, sheets 1 and 2)

(a) Install supports and attaching parts.

(2) Supports (3 and 4, sheets 1 and 2)

(a) Prepare mating surfaces of support and structure for electrical bonding at one bolt connection (A1-F18AC-LMM-000).

(b) Install support and attaching parts.

(c) Seal bolt (A1-F18AC-LMM-000).

(3) Supports (74, 75, 78, 87, 88 and 104, sheets 8, 10, 12 and 14)

(a) Install support and attaching parts.



Sealing Compound, MIL-S-81733, TY4-12

16

(b) Fillet seal perimeter of supports (A1-F18AC-SRM-200).

(c) If required, close door 33 (A1-F18AC-LMM-010).

(4) Supports (78, 80, and 82, sheet 10)

(a) Position support inside cavity and install attaching parts through door 14L/R.

(b) Fillet seal perimeter of supports (A1-F18AC-SRM-200).

(c) Close door 14L/R (A1-F18AC-LMM-010).

(5) Tee assemblies (13, sheet 3)

(a) Install tee assemblies and attaching parts.

(b) Install elbows (9) and tee (8) if applicable.

(c) Connect tubes (12, 15 or 16) as applicable.

(d) On 161719 AND UP, seal tubes (12, 15 or 16) per paragraph 6.

(6) Nipples (10, sheet 3)

(a) Prepare mating surfaces of nut (11) and structure for electrical bonding (A1-F18AC-LMM-000).

(b) Install nipple (10) and nuts (11).

(c) Connect tube (12).

(d) On 161719 AND UP, seal tube (12) per paragraph 6.

(7) Nipples (17, sheet 3)

(a) Install nipple (17) and attaching parts.

(b) Connect tube (16).

(c) On 161719 AND UP, seal tube (16) per paragraph 6.

(8) Nipples (84 and 86, sheet 13)

(a) Install nipple and attaching parts.

(b) Connect tube (89, 91 or 92) or elbow (96).

(c) After installing fuel tank, inspect tube (92) for fuel leaks by doing fuel leak test (A1-F18AC-LMM-000).

(d) After installing fuel tank, inspect tube (92) for fuel leaks by doing fuel leak test (A1-F18AC-LMM-000).

(e) Close door 33 (A1-F18AC-LMM-010).

(9) Connectors (protruding) (20, 27, 34, 42, 50, 60 and 65, sheets 5, 6, 7 and 8)

(a) Install connector, gasket and attaching parts.

(10) Prepare mating surfaces of bulkhead and connectors (40 and 57, Details F and G) for electrical bonding (A1-F18AC-LMM-00).

(11) Connectors (nonprotruding) (25, 32, 40, 47, 57 and 70, sheets 5, 6, 7 and 8)

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks can occur resulting in fire hazard.



To prevent scoring of bulkhead connector, retaining rings (RST()CD-M9) must be deburred before installation (paragraph 1).

(a) Inspect and replace damaged or missing retaining rings.

(b) Install connector, ring and attaching parts.

(12) Adapter (99, sheet 14)

(a) Install gasket (100), adapter (99) and attaching parts.

(b) Install lubricated packing (102) and inspect and install coupling (101) per WP013 00. If applicable, lockwire coupling (101) per WP013 00. (QA)

(c) After installing fuel tank, inspect coupling (101) area for fuel leaks by refueling aircraft (A1-F18AC-PCM-000).

(d) Install door 35 (A1-F18AC-LMM-010).

b. Install fuel tank (WP011 00 or WP015 00).

4. REPAIR.

Support Equipment Required

None

Materials Required

None

5. TUBE NIPPLE. (10 OR 17, FIGURE 1).

a. Remove inserts per NAVAIR 01-1A-8.

NOTE

When installed, insert should be 1-1/2 to 2 turns below surface of tube nipple (10 or 17).

b. Install insert per NAVAIR 01-1A-8. Make sure insert is 1-1/2 to 2 turns below surface of tube nipple (10 or 17).

6. SEALING.

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	Brush (1/4 to 1/2 Inch, Paint Type)

Materials Required

Specification or Part Number	Nomenclature
MIL-S-8802, Class A1-2 (CAGE 81349)	Sealing Compound
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth

7. TUBES (12, 15 OR 16, FIGURE 1).

- a. Seal tubes (12, 15 and 16) per substeps below:



Isopropyl Alcohol, TT-I-735

2

(1) Clean mating surfaces between tube (12, 15 and 16) assembly B-nuts and adjacent fittings (elbows (9), tee assemblies (13), or nipples (10 or 17)) with cheesecloth moistened with isopropyl alcohol. Wipe surface with clean, dry cheesecloth before isopropyl alcohol evaporates.



Sealing Compound, MIL-S-8802, TY2CLA-1/2

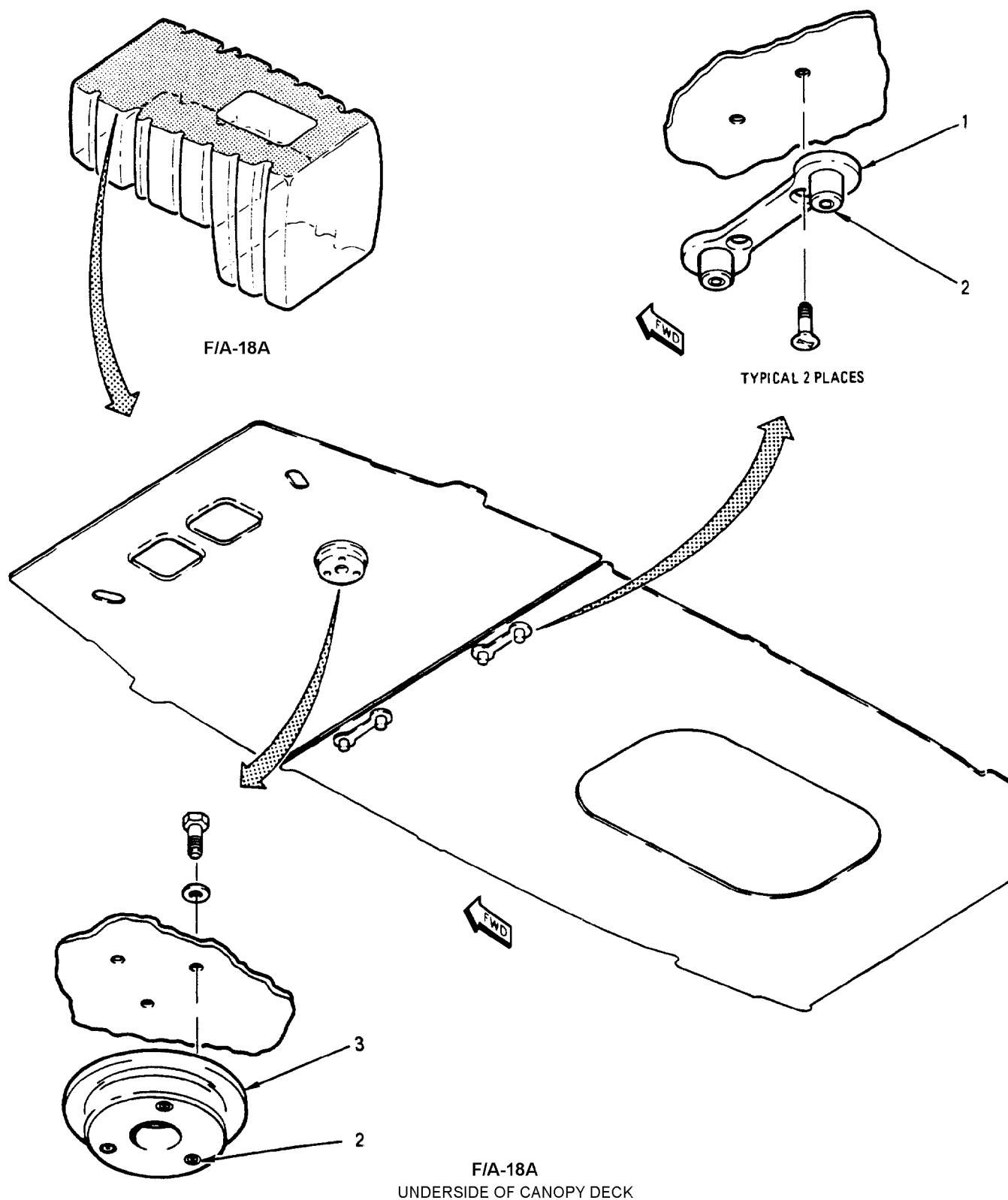
3

(2) Seal tube (12, 15 or 16) assembly B-nuts to adjacent fittings (elbow (9), tee assemblies (13) or nipples (10 or 17)) with sealing compound.

(3) Allow sealing compound to cure approximately 24 hours.

8. ILLUSTRATED PARTS BREAKDOWN.

9. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



04000101

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 1)

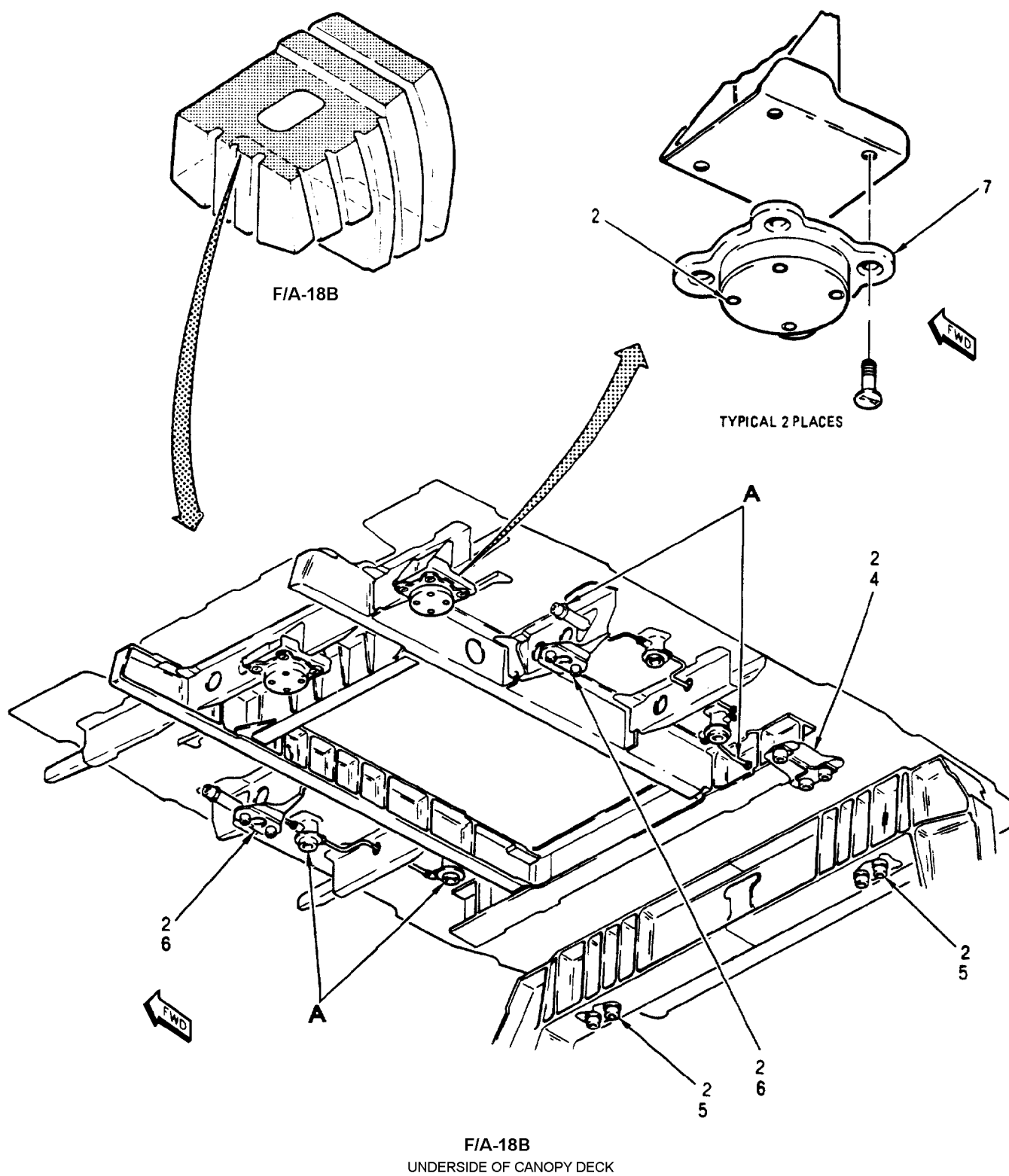


Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 2)

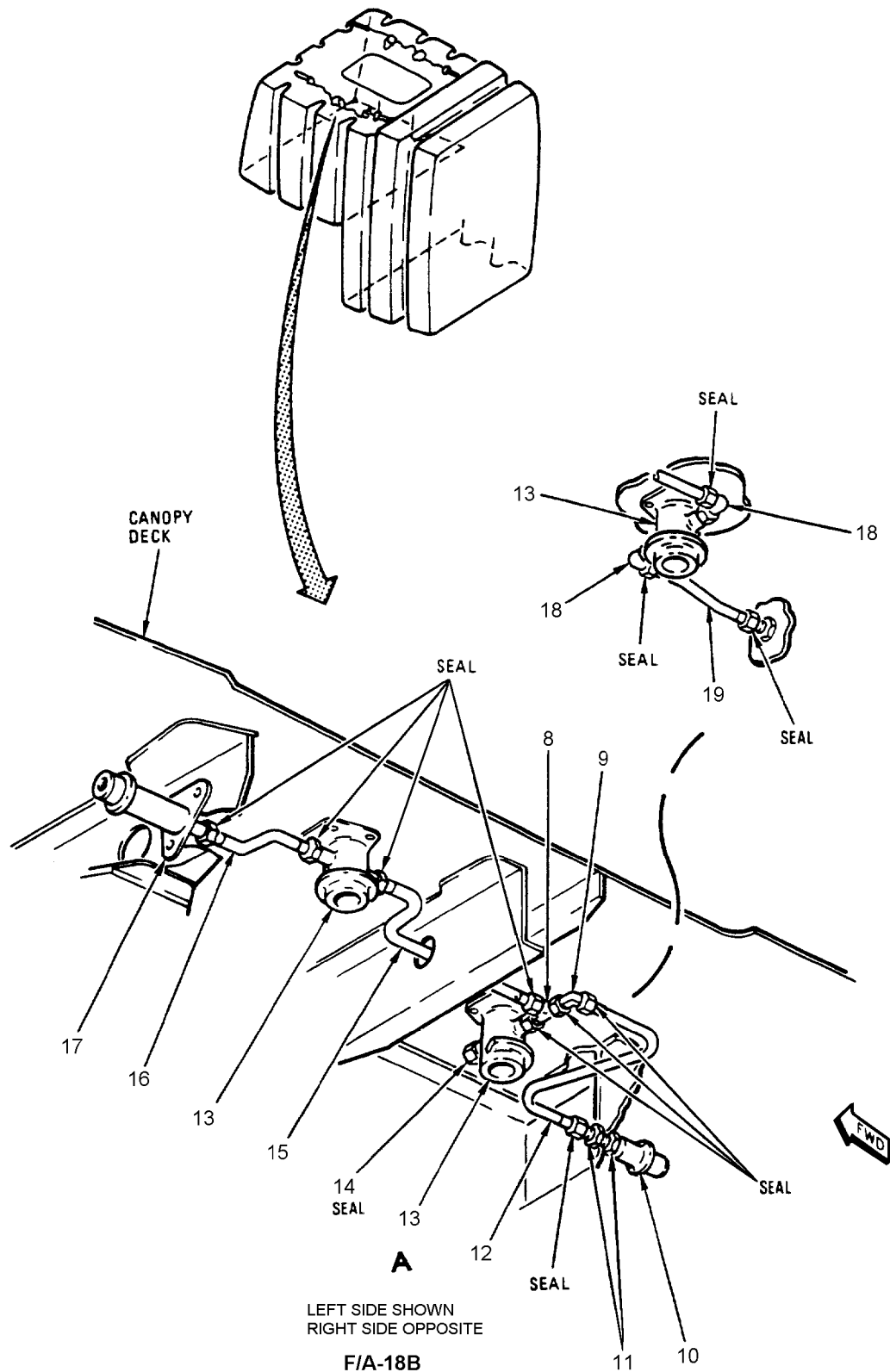


Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 3)

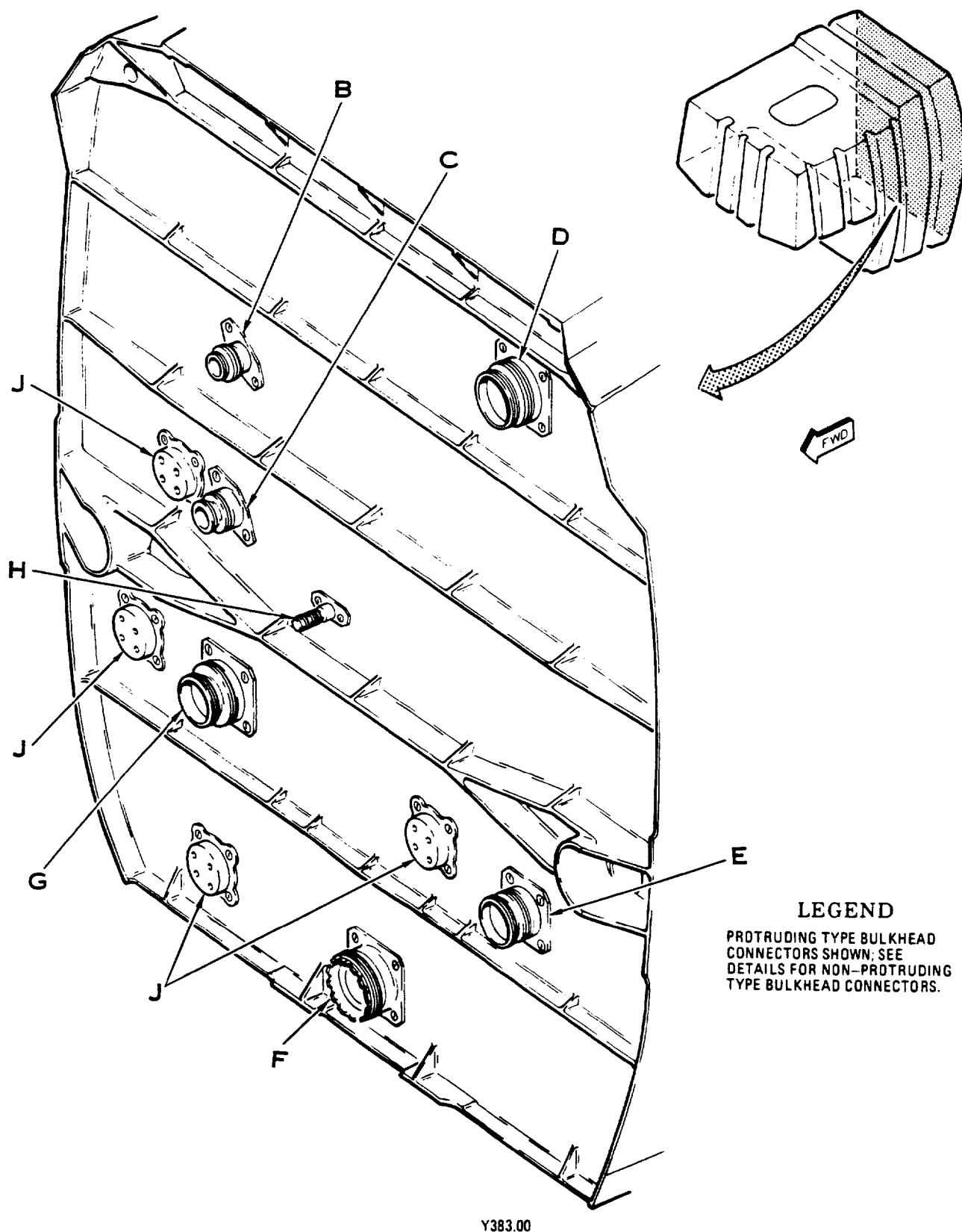


Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 4)

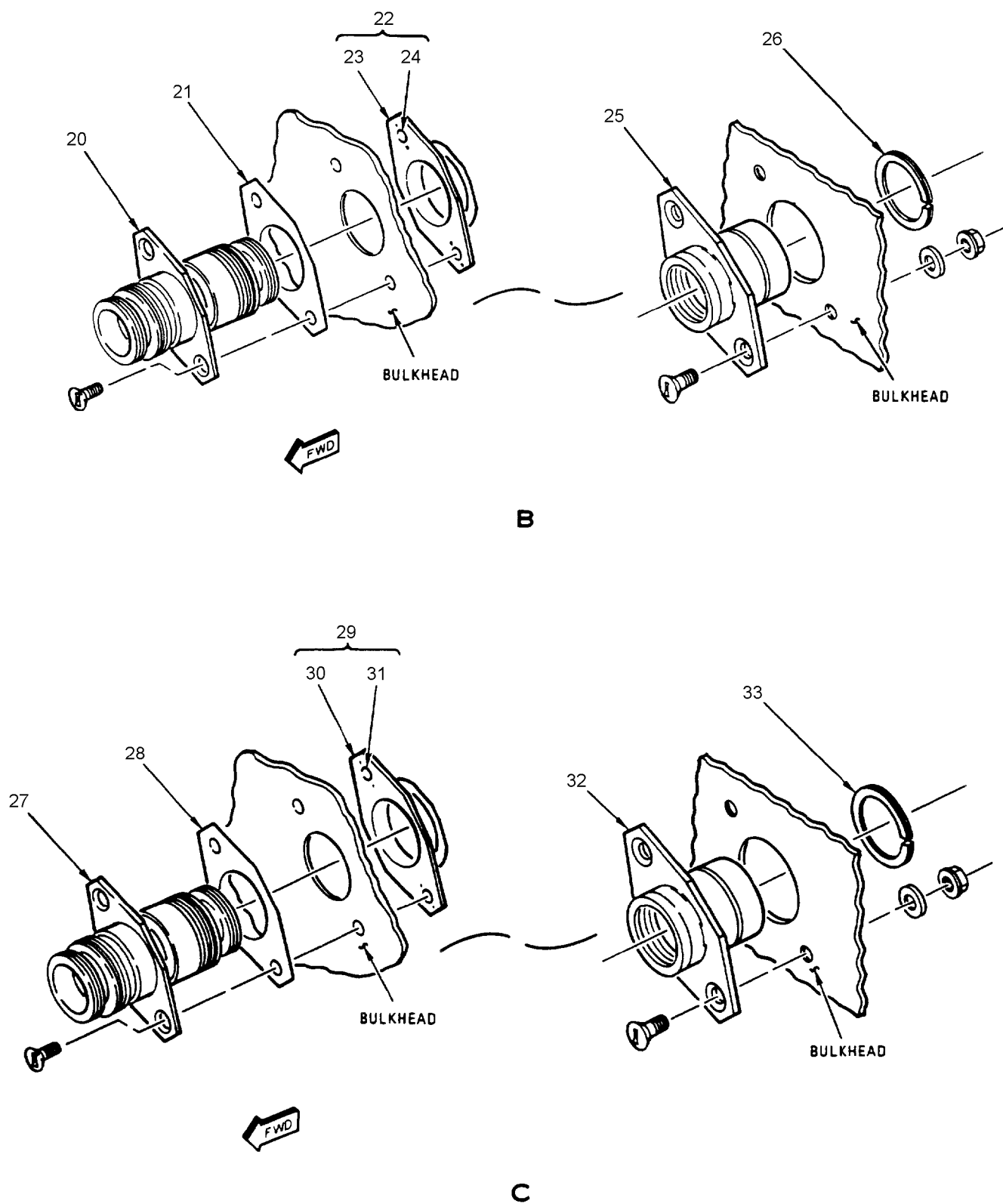
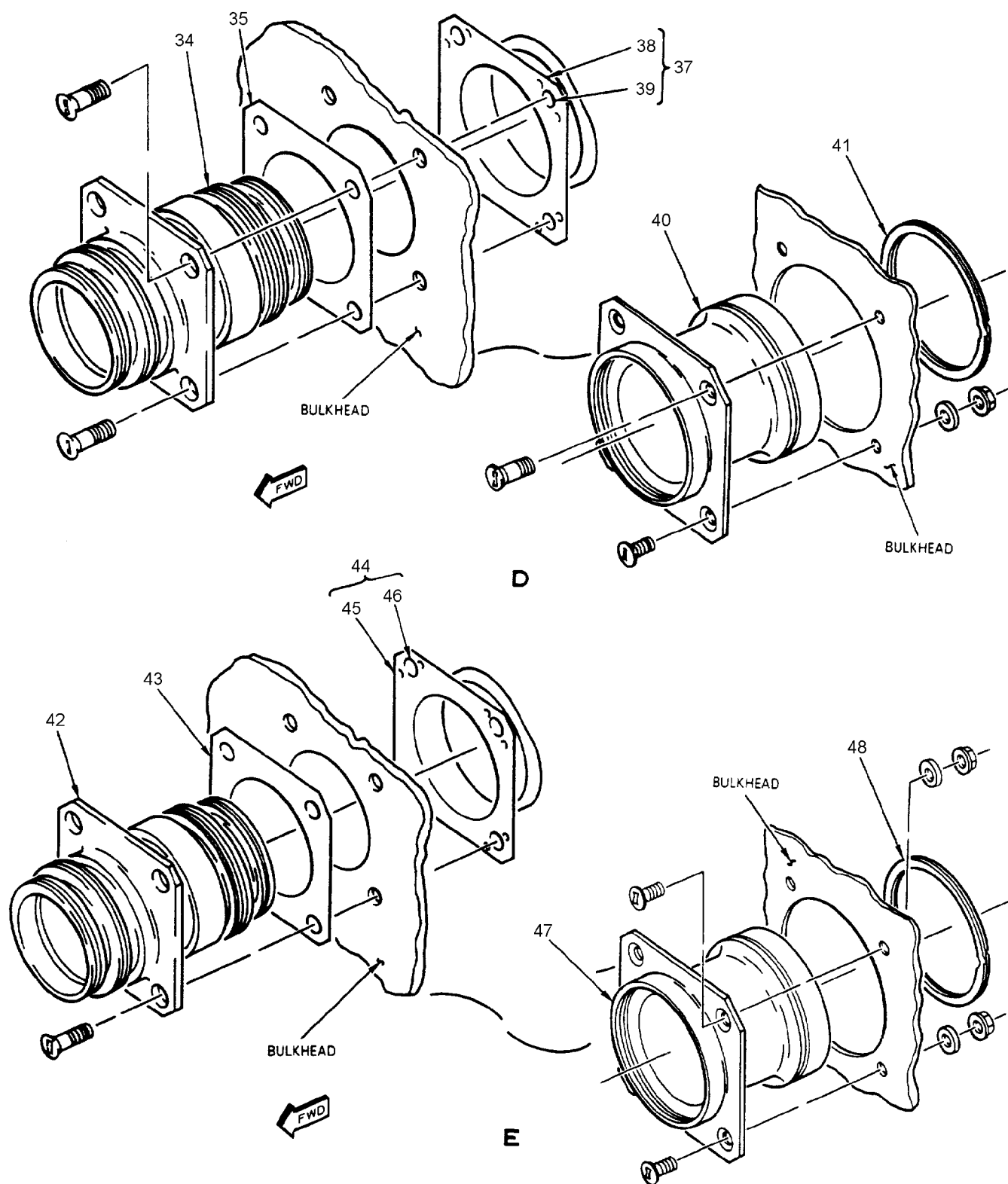


Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 5)



04000106

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 6)

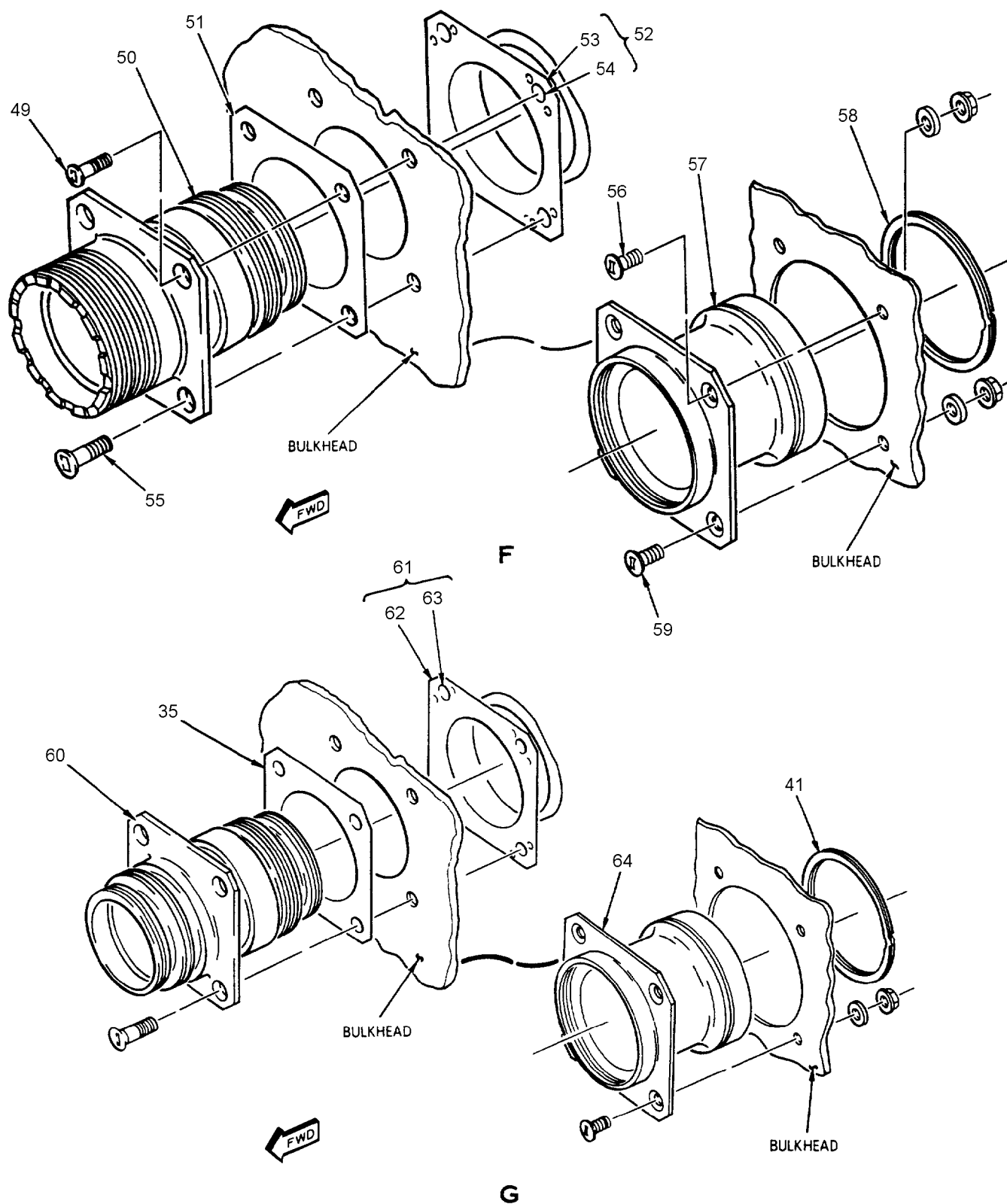


Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 7)

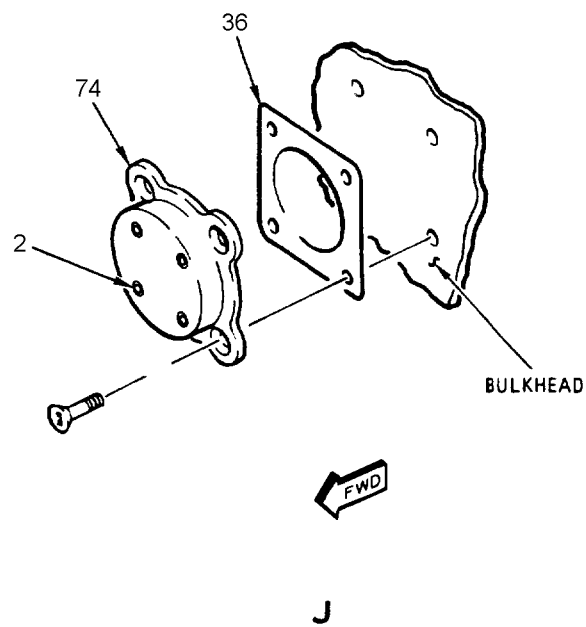
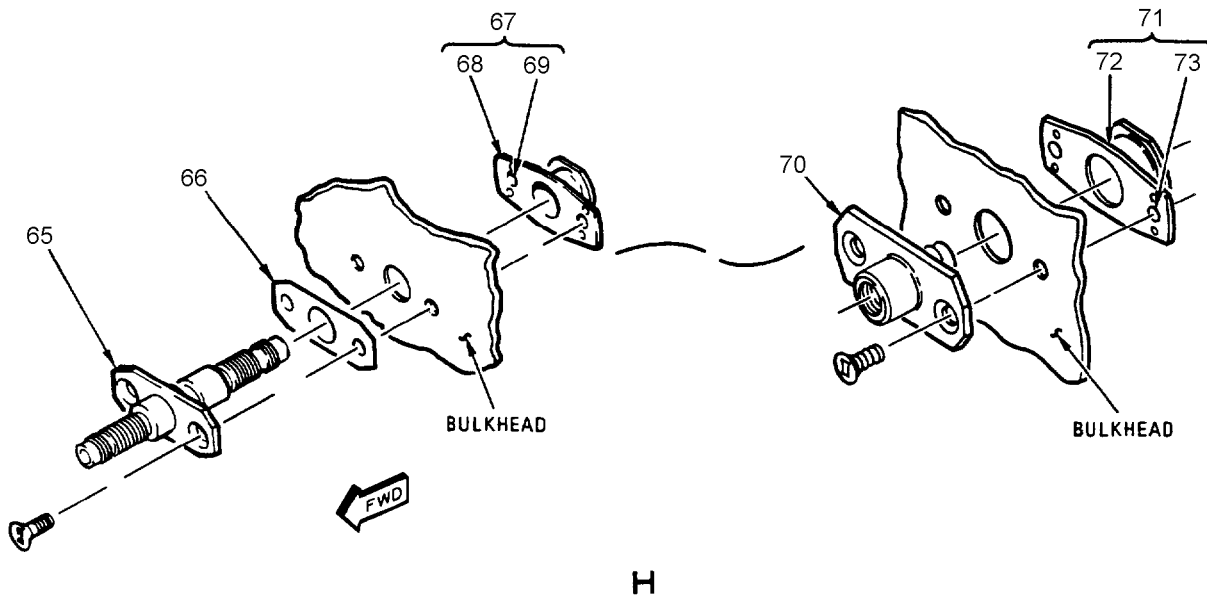
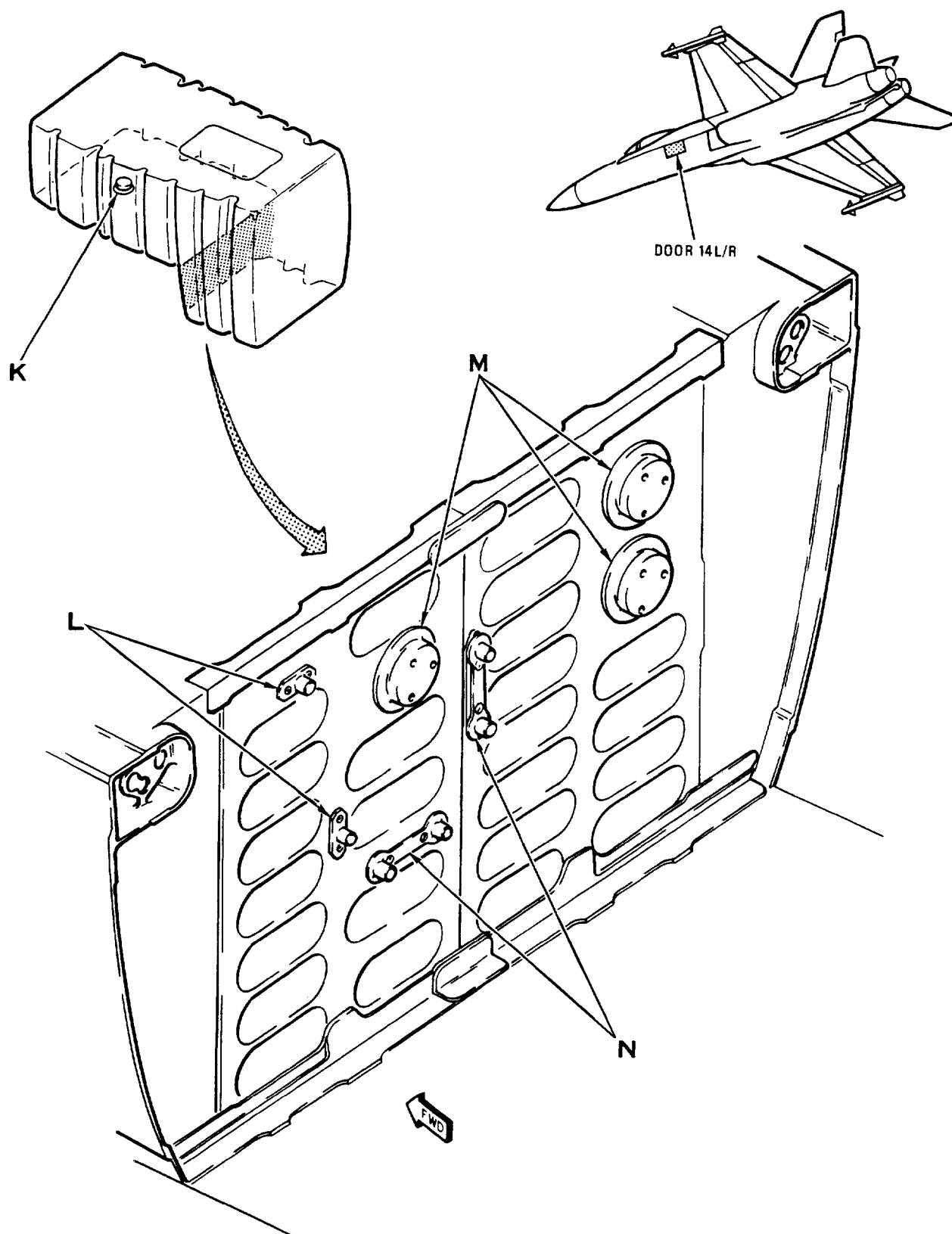


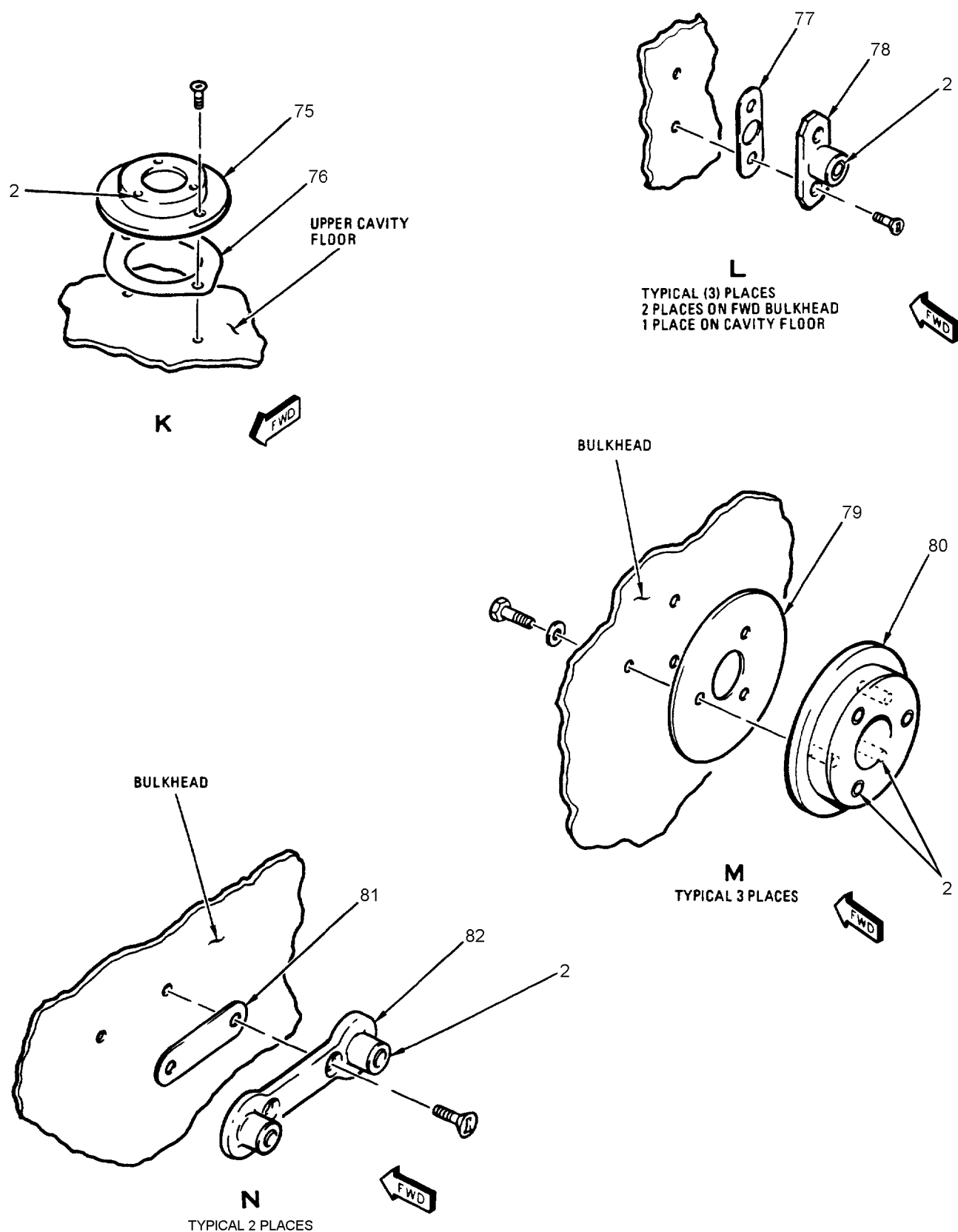
Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 8)



Y357.50

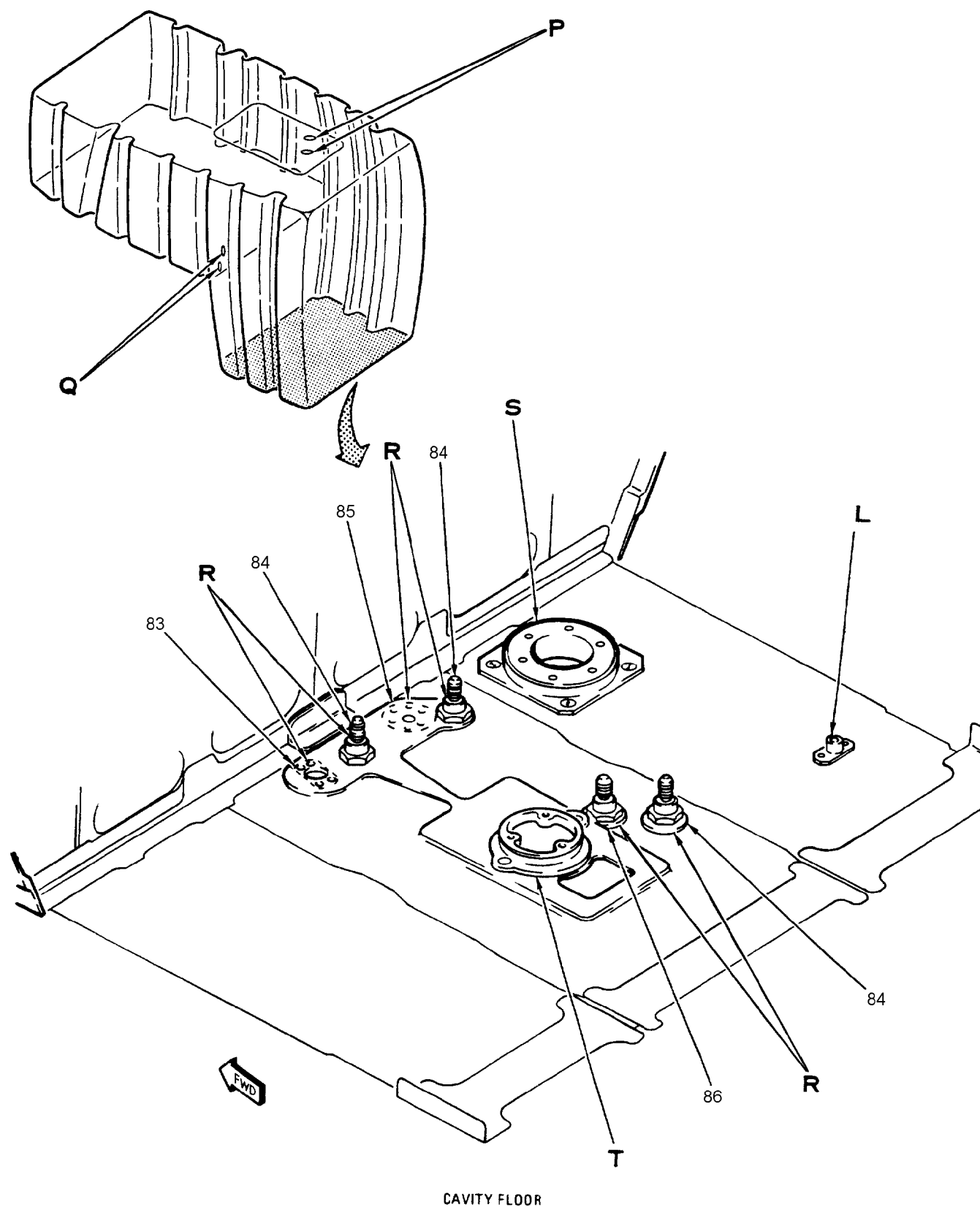
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Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 9)



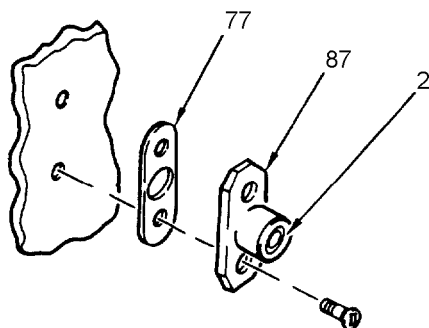
04000110

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 10)

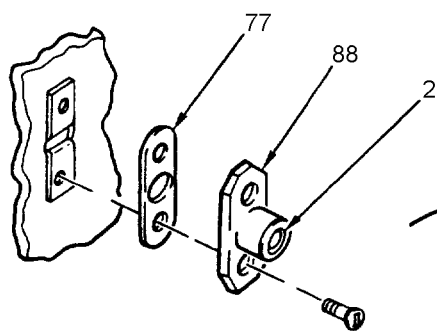


04000111

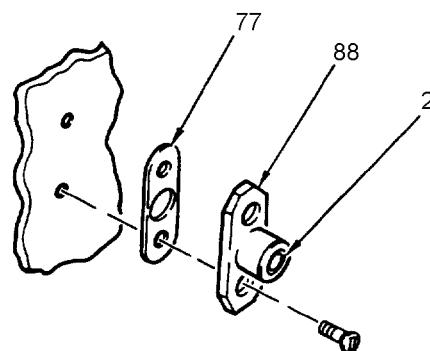
Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 11)



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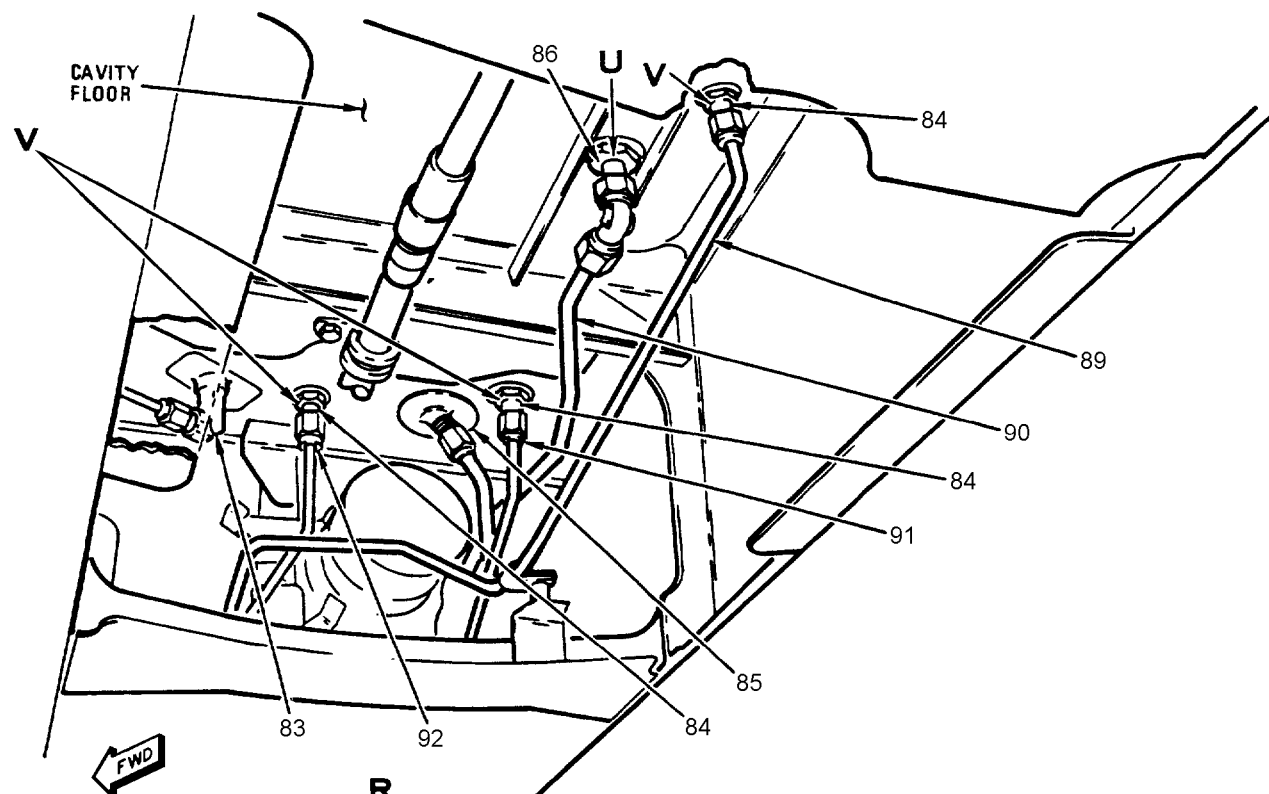
F/A-18A



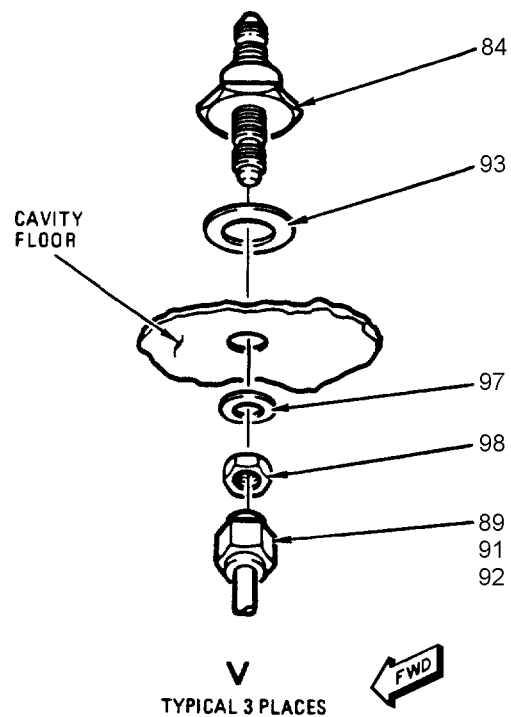
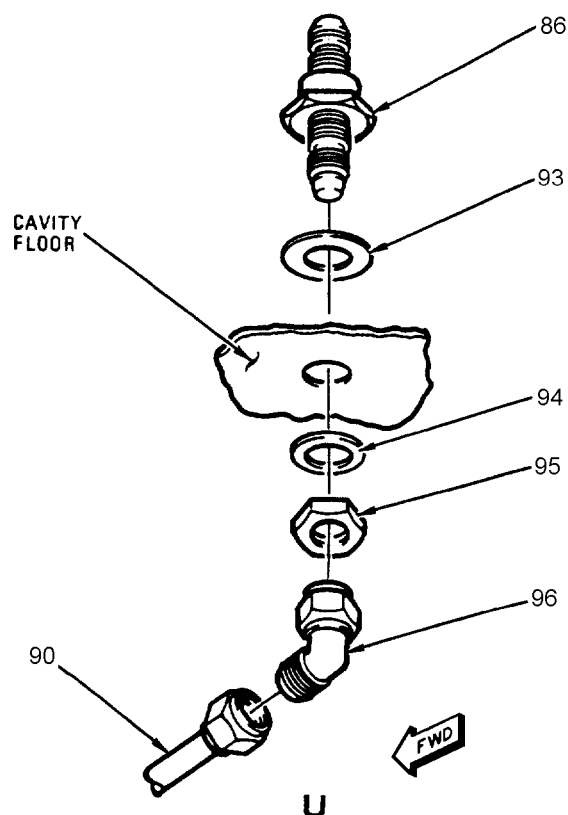
F/A-18B

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Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 12)



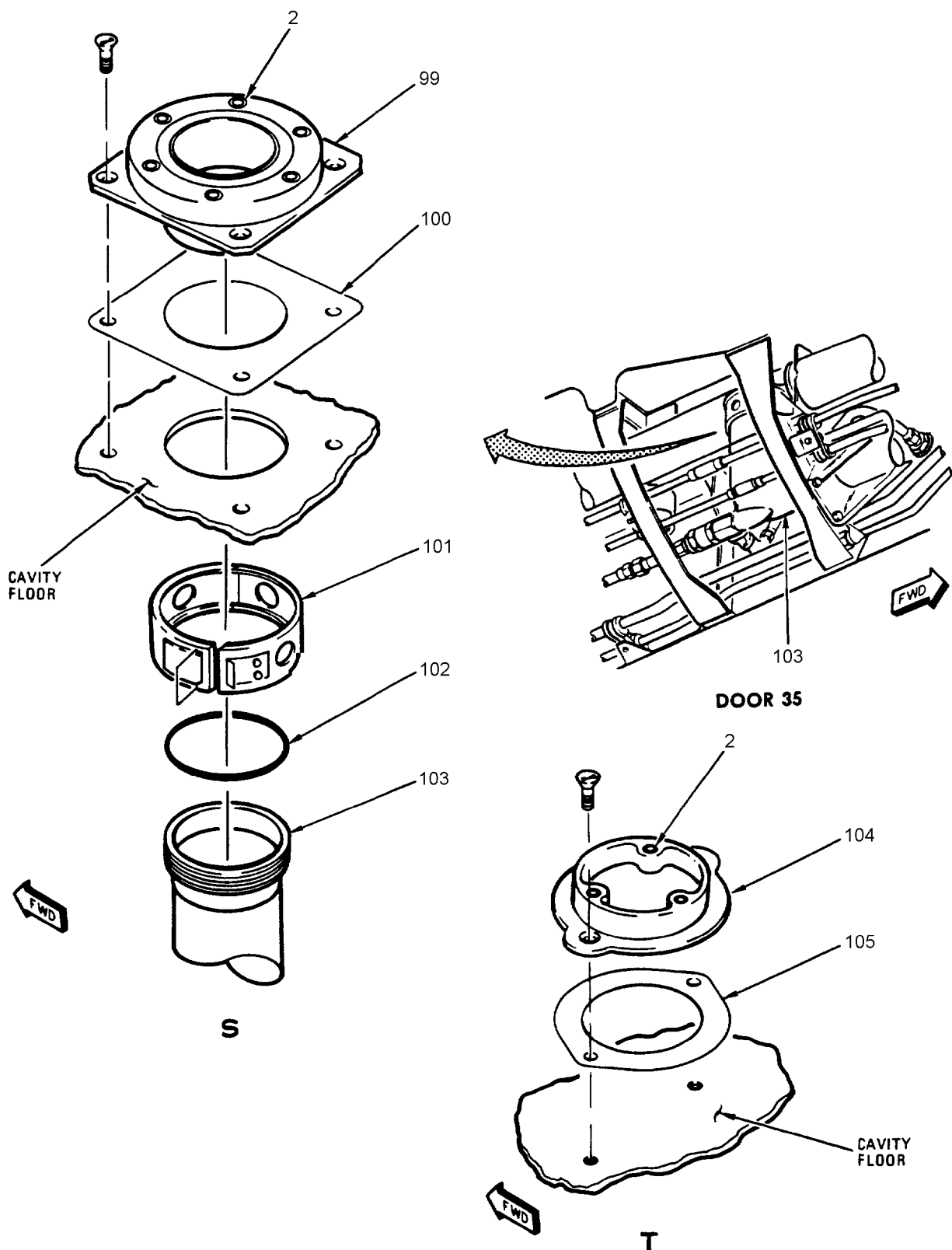
R
LOOKING UP AT CAVITY FLOOR
DOOR 33



V
TYPICAL 3 PLACES

04000113

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 13)



04000114

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 14)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 1 FUEL TANK CAVITY BULKHEAD			
		FITTINGS AND SUPPORTS			
1	74A582042-1001	. SUPPORT - 2/2, BRACKET, TUBE ASSEMBLY,	2	A	XBOOO
		METAL (76301)			
	NAS664V6HT	. SCREW (AP)	2		PAOZZ
	MS21060L4	. NUT, PLATE (USE WITH INDEX 1)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
2	MS21209F4-15	. INSERT	AR		PAOZZ
3	74A582041-1001	. SUPPORT - 3/3, BRACKET, TUBE ASSEMBLY,	1	A	XBOOO
		METAL (76301)			
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
4	74A582148-1001	. SUPPORT - PILOT VALVE, TANK NO. 1 (76301)	1	B	XBOOO
	MS20470AD5 #	. RIVET (AP)	4		-
5	74A582146-1001	. SUPPORT - BRACKET, VENT TUBE ASSY,	2	B	XBDOD
		Y374.8 (76301)			
6	74A582147-1001	. SUPPORT - BRACKET, TUBE ASSY, VENT,	2	B	XBDOD
		F/A-18B (76301)			
7	74A582054-1001	. SUPPORT - BRACKET, TUBE ASSEMBLY,	2	B	XBOOO
		METAL (76301)			
	NAS664V5HT	. SCREW (AP)	4		PAOZZ
	MS21060L4	. NUT, PLATE (USE WITH INDEX 7)	4		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
8	7M151V4	. TEE (76301) (LEFT SIDE, RIGHT SIDE)	2	K	PAOZZ
9	7M148V4	. ELBOW (76301) (LEFT SIDE, RIGHT SIDE)	2	K	PAOZZ
10	74A582154-1005	. NIPPLE, TUBE - VENT TANK NO. 1, F/A-18B	2	F	PAOZZ
		(76301) (LEFT SIDE, RIGHT SIDE)			
		(REPLACES 74A582154-1001)			
	74A582154-1001	. NIPPLE, TUBE - VENT TANK NO. 1, F/A-18B	2	G	PAOZZ
		(76301) (USE UNTIL EXHAUSTED)			
	MS21209F5-15	. INSERT (USE WITH INDEX 10)	1		PAOZZ
11	AN924-4D	. NUT	4	B	PAOZZ
	AN960JD716	. WASHER (USE WITH INDEX 11)	4		PAOZZ
12	74A582156-1005	. TUBE ASSY, METAL - VENT, Y361.580 (76301)	2	K	XBOZZ
		(LEFT SIDE, RIGHT SIDE)			
13	74A582155-1001	. TEE ASSY - VENT, TANK NO. 1, F/A-18B	4	B	PAOZZ
		(76301) (LEFT SIDE, RIGHT SIDE)			
	MS20470AD5 #	. RIVET (AP)	4		-
14	AN929-4	. CAP (LEFT SIDE, RIGHT SIDE)	2	K	PAOZZ
15	74A582157-1001	. TUBE ASSEMBLY, METAL - VENT, Y357.534	2	B	MGOZZ
		(76301) (LEFT SIDE, RIGHT SIDE)			
16	74A582158-1001	. TUBE ASSEMBLY, METAL - VENT, Y350.525	2	B	MGOZZ
		(76301) (LEFT SIDE, RIGHT SIDE)			
17	74A582154-1007	. NIPPLE, TUBE - VENT, TANK NO. 1, F/A-18B	1	B	PAOZZ
		(76301) (LEFT SIDE)			
	74A582154-1003	. SEE ABOVE	1	B*	PAOZZ
	74A582154-1008	. NIPPLE, TUBE - VENT, TANK NO. 1, F/A-18B	1	B	PAOZZ
		(76301) (RIGHT SIDE)			
	74A582154-1004	. SEE ABOVE	1	B*	PAOZZ
	NAS2606V05	. PIN (AP)	3		PAOZZ
	NAS1080AG06	. COLLAR (AP)	3		PAOZZ
	MS21209F5-15	. INSERT (USE WITH INDEX 17)	1		PAOZZ
18	7M148V4	. ELBOW (76301) (LEFT SIDE, RIGHT SIDE)	4	L	PAOZZ
19	74A582156-1003	. TUBE ASSY, METAL - VENT, Y361.580 (76301)	2	L	XBOZZ
		(LEFT SIDE, RIGHT SIDE)			
20	74A586220-2001 @	. CONNECTOR, TUBE, BULKHEAD,	1	J	XBOZZ
		PROTRUDING - 1.00 IN., WING			
		FUEL XFR, Y383 (76301) (USE			
		UNTIL EXHAUSTED)			
	NAS664V5HT	. SCREW (AP)	2		PAOZZ

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 15)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
21	74A586631-2001 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					1	J	PAOZZ
			SYSTEM (76301)								
22	74A586229-1001 @	.	SPACER - BED CONNECTOR TO FUEL TANK,						1	J	XBOOO
			1.0 DIA LINE, Y383 (76301)								
23	74A586229-2001	.	SPACER (76301)						1	J	XAOZZ
24	MS21075L4	.	NUT, PLATE						2	J	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
25	74A585705-2003 +	.	CONNECTOR, TUBE, BULKHEAD,						1		PAOZZ
			NONPROTRUDING - 1.00 DIA								
			Y383.0 (76301)								
	NAS664V4HT	.	SCREW (AP)						2		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						2		PAOZZ
26	D-RST156CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					1		PAOZZ
			SPEC 9M857-156 (REPLACES								
			RST156CD-M9)								
27	74A586218-2001 @	.	CONNECTOR, TUBE, BULKHEAD,						1	J	XBOZZ
			PROTRUDING - MOTIVE FLOW								
			TRANSFER, Y383 (76301) (USE								
			UNTIL EXHAUSTED)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
28	74A586631-2005 @	.	GASKET, PAPER - BRD CONN IN FUEL	.....					1	J	PAOZZ
			SYSTEM (76301)								
29	74A586228-1001 @	.	SPACER - BHD CONNECTOR TO FUEL TANK,						1	J	XBOOO
			1.25 DIA LINE, Y383 (76301)								
30	74A586228-2001	.	SPACER (76301)						1	J	XAOZZ
31	MS21075L4	.	NUT, PLATE						2	J	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
32	74A585704-2001 +	.	CONNECTOR, TUBE, BULKHEAD,						1		PAOZZ
			NONPROTRUDING - 1.25 DIA,								
			Y383.0 (76301)								
	NAS664V4HT	.	SCREW (AP)						2		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						2		PAOZZ
33	D-RST181CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					2		PAOZZ
			SPEC 9M857-181-M9) (REPLACES								
			RST181CD-M9)								
34	74A586209-2001 @	.	CONNECTOR, TUBE, BULKHEAD,						1	J	XBOZZ
			PROTRUDING - 2.50 INCH VENT, Y383								
			(76301) (USE UNTIL EXHAUSTED)								
	NAS664V5HT	.	SCREW (AP)						4		XBOZZ
35	74A586631-2013 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					2	J	PAOZZ
			SYSTEM (76301)								
36	74A581030-2011 %	.	GASKET, PAPER - BKD CONN IN FUEL	.....					4	M	PAOZZ
			SYSTEM (76301)								
37	74A586231-1001 @	.	SPACER - BHD CONNECTOR TO VENT, 2.50	.....					1	J	XBOOO
			DIA, Y383 (76301)								
38	74A586231-2001	.	SPACER (76301)						1	J	XAOZZ
39	MS21075L4	.	NUT, PLATE						4	J	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
40	74A585701-2001 +	.	CONNECTOR, TUBE, BULKHEAD,						1		PAOZZ
			NONPROTRUDING - 2.50 DIA,								
			REFUEL/DEFUEL, VENT (76301)								
	NAS664V2HT	.	SCREW (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
41	D-RST306CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					2		PAOZZ
			SPEC 9M857-306-M9) (REPLACES								
			RST306CD-M9)								
42	74A586215-2001 @	.	CONNECTOR, TUBE, BULKHEAD,						1	J	XBOZZ
			PROTRUDING - PUMP OUTLET, Y383								
			(76301) (USE UNTIL EXHAUSTED)								

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 16)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
	NAS664V5HT	. SCREW (AP)	4		PAOZZ
43	74A586631-2011 @	. GASKET, PAPER - BKD CONN IN FUEL	1	J	PAOZZ
		SYSTEM (76301)			
44	74A586227-1001 @	. SPACER, BULKHEAD CONNECTOR TO FUEL	1	J	XBOOO
		TANK - Y383 (76301)			
45	74A586227-2001	. SPACER (76301)	1	J	XAOZZ
46	MS21075L4	. NUT, PLATE	4	J	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
47	74A585703-2001 +	. CONNECTOR, TUBE, BULKHEAD,	1		PAOZZ
		NONPROTRUDING - PUMP OUTLET (76301)			
	NAS664V4HT	. SCREW (AP)	4		PAOZZ
	NAS1291C4M	. NUT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
48	D-RST255CD-M9 +	. RING, RETAINING (80756) (MCDONNELL	1		PAOZZ
		SPEC 9M857-255-M9) - (REPLACES RST255CD-M9)			
49	NAS663V5HT	. SCREW	1	J	PAOZZ
50	74A586211-1001 @	. CONNECTOR, TUBE, BULKHEAD,	1	J	XBOZZ
		PROTRUDING - 2.50 IN. DIA G FEED, Y383 (NO. 1 FUEL TANK PRESSURE OPERATED INTERCONNECT VALVE RESTRICTOR) (76301) (5VAP538) (USE UNTIL EXHAUSTED)			
51	74A586631-2021 @	. GASKET, PAPER - BKD CONN IN FUEL	1	J	PAOZZ
		SYSTEM (76301)			
52	74A586236-1003 @	. SPACER - BHD CONNECTOR TO FUEL TANK,	1	J	XBOOO
		2.50 DIA LINE, Y383 (76301)			
53	74A586236-2003	. SPACER (76301)	1	J	XAOZZ
54	MS21075L4	. NUT, PLATE	4	J	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
55	NAS664V5HT	. SCREW	3	J	PAOZZ
56	NAS663V4HT	. SCREW	1		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 56)	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 56)	1		PAOZZ
57	74A585702-2001 +	. CONNECTOR, TUBE, BULKHEAD,	1		PAOZZ
		NONPROTRUDING - 2.50 DIA, G FEED, Y383.00 (76301)			
58	D-RST334CD-M9 +	. RING, RETAINING (80756) (MCDONNELL	1		PAOZZ
		SPEC 9M857-334-M9) (REPLACES RST334CD-M9)			
59	NAS664V4HT	. SCREW	3		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 59)	3		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 59)	3		PAOZZ
60	74A586213-2001 @	. CONNECTOR, TUBE, BULKHEAD,	1	J	XBOZZ
		PROTRUDING - REFUEL/DEFUEL, Y383 (76301) (USE UNTIL EXHAUSTED)			
	NAS664V5HT	. SCREW (AP)	4		PAOZZ
61	74A586226-1001 @	. SPACER - BULKHEAD CONNECTOR TO	1	J	XBOOO
		FUEL TANK, 25 LINE, Y383 (76301)			
62	74A586226-2001	. SPACER (76301)	1	J	XAOZZ
63	MS21075L4	. NUT, PLATE	4	J	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
64	74A585701-2003 +	. CONNECTOR, TUBE, BULKHEAD,	1		PAOZZ
		NONPROTRUDING - 250 DIA REFUEL DEFUEL, VENT (76301)			
	NAS664V4HT	. SCREW (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS1291C4M	. NUT (AP)	4		PAOZZ

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 17)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
65	74A586223-2001 @	.	CONNECTOR, TUBE, BULKHEAD,						1	J	XBOZZ
	NAS664V5HT	.	PROTRUDING - GRAVITY INTCON CONT, Y383 (76301) (USE UNTIL EXHAUSTED)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
66	74A586631-2009 @	.	GASKET, PAPER - BKD CONN IN FUEL						1	J	PAOZZ
		.	SYSTEM (76301)								
67	74A586230-1001 @	.	SPACER - BUD CONNECTOR TO FUEL TANK,						1		XBOOO
		.	0.375 DIA LINE (76301)								
68	74A586230-2001	.	SPACER (76301)						1		XAOZZ
69	MS21075L4	.	NUT, PLATE						2		PAOZZ
	MS20426AD3 #	.	RIVET						2		-
70	74A585706-2001 +	.	CONNECTOR, TUBE, BULKHEAD,						1		PAOZZ
		.	NONPROTRUDING - .375 DIA, Y383.0 (76301)								
	NAS664V6HT	.	SCREW (AP)						2		PAOZZ
71	74A586230-1001	.	SPACER - BHD CONNECTOR TO FUEL TANK						1		XBOOO
		.	0.375 DIA LINE (76301)								
72	74A586230-2001	.	SPACER (76301)						1		XAOZZ
73	MS21075L4	.	NUT, PLATE						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
74	74A582054-1001	.	SUPPORT - BRACKET, TUBE ASSEMBLY,						4		XBOOO
		.	METAL (76301)								
	NAS664V6HT	.	SCREW (AP)						4		PAOZZ
	F52673-4	.	NUT, SELF-LOCKING, PLATE (15653)						4	*	PAOZZ
		.	(MCDONNELL SPEC ST3M726C4M) (USE WITH INDEX 74)								
	NS202725-4	.	SEE ABOVE (80539)						4	*	PAOZZ
	BSN726C4M	.	SEE ABOVE (27238)						4	*	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
75	74A582061-1005	.	SUPPORT - 2/3, CASE, XMTR, LIQUID						1		XBOOO
		.	QTY (76301)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
	74A582061-2005	.	SUPPORT (76301) (USE WITH INDEX 75)						1		XBOZZ
	F50339-4-2	.	NUT, SELF-LOCKING, PLATE (15653)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3M719C4M2) (USE WITH INDEX 75)								
	F12090-2-4	.	NUT, SELF-LOCKING, PLATE (72962)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3M719C4M2) (USE WITH INDEX 75)								
	MS20426AD3 #	.	RIVET (AP)						2		-
76	74A581030-2013 %	.	GASKET - SUPPORT TANK NO. 1 (76301)						1	M	PAOZZ
77	74A581030-2003 %	.	GASKET - SUPPORT, TANK NO. 1 (76301)						7	M	PAOZZ
78	74A581003-1001	.	SUPPORT - BRACKET, TUBE ASSY, WING						3		XBOOO
		.	TRANSFER & SENSING (76301)								
	NAS663V5HT	.	SCREW (AP)						2		PAOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 78)						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
79	74A581030-2009 %	.	GASKET - SUPPORT, TANK NO. 1 (76301)						3	M	PAOZZ
80	74A582041-1001	.	SUPPORT - 3/3, BRACKET, TUBE ASSEMBLY,						3		XBOOO
		.	METAL (76301)								
	NAS674V3	.	BOLT (AP)						3		PAOZZ
	AN960JD416	.	WASHER (AP)						3		PAOZZ
81	74A581030-2005 %	.	GASKET - SUPPORT, TANK NO. 1 (76301)						2	N	PAOZZ
82	74A582042-1001	.	SUPPORT - 2/2, BRACKET, TUBE ASSEMBLY,						2		XBOOO
		.	METAL (76301)								
	NAS664V6HT	.	SCREW (AP)						2		PAOZZ
	MS21060L4	.	NUT, PLATE (USE WITH INDEX 82)						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 18)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
83	74A582021-2005	.	ELBOW, FLANGE TO TUBE - DRAIN, TANK						1		PAOZZ
		.	NO. 1 (76301) (DRILL ON INSTALLATION)								
		.	(REPLACES 74A582021-2001)								
	74A582021-2001	.	SEE ABOVE (USE UNTIL EXHAUSTED)						1		PAOZZ
	MS20426AD5 #	.	RIVET (AP)						4		-
84	74A582030-2001	.	NIPPLE, TUBE - PRECHECK AND PRESS						3		PAOZZ
		.	SENSING, TANK NO. 1 (76301)								
85	74A582085-1001	.	ELBOW ASSY - FLANGE TO TUBE, CAVITY						1		XBOZZ
		.	DRAIN, TANK NO. 1 (76301)								
	MS20470AD5 #	.	RIVET (AP)						6		-
86	74A582030-2003	.	NIPPLE, TUBE - PRECHECK AND PRESS						1		PAOZZ
		.	SENSING, TANK NO. 1 (76301)								
87	74A581003-1001	.	SUPPORT - BRACKET, TUBE ASSY, WING						2		XBOOO
		.	TRANSFER & SENSING (76301)								
	NAS663V5HT	.	SCREW (AP)						2		PAOZZ
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 87)						2	A	PAOZZ
	F50339-3-1	.	NUT, SELF-LOCKING, PLATE (15653)						2	B*	PAOZZ
		.	(MCDONNELL SPEC ST3M719C3M1)								
		.	(USE WITH INDEX 87)								
	F12090-1-3	.	NUT, SELF-LOCKING, PLATE (72962)						2	B*	PAOZZ
		.	(MCDONNELL SPEC ST3M719C3M1)								
	MS20426AD3 #	.	RIVET (AP)						2		-
88	74A581003-1001	.	SUPPORT - BRACKET, TUBE ASSY, WING						2		XBOOO
		.	TRANSFER & SENSING (76301)								
	NAS663V5HT	.	SCREW (AP)						2		PAOZZ
	A11144-7-3	.	NUT, CLIP (72962) (MCDONNELL SPEC						2	A*	PAOZZ
		.	ST3M523C3M) (USE WITH INDEX 88)								
	130091	.	NUT, CLIP (76530) (MCDONNELL SPEC						2	A*	PAOZZ
		.	ST3M523C3M) (USE WITH INDEX 88)								
	MS21060L3	.	NUT, PLATE (USE WITH INDEX 88)						2	B	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2	B	-
89	74A580660-1001	.	TUBE ASSEMBLY, METAL - PRECHECK,						1		MGOZZ
		.	Y365.182 (76301)								
90	74A580687-1003	.	TUBE ASSEMBLY, METAL - VENT Y359.560						1	H	MGOZZ
		.	(76301)								
	74A580687-1001	.	TUBE ASSEMBLY, METAL - VENT, Y359.560						1	C	MGOZZ
		.	(76301)								
91	74A580623-1001	.	TUBE ASSEMBLY, METAL - FUEL PRECHECK						1		MGOZZ
		.	TK 1, Y361.369 (76301)								
92	74A580664-1001	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW,						1		MGOZZ
		.	Y350.817								
93	74A581030-2007 %	.	GASKET - SUPPORT, TANK NO. 1 (76301)						4	M	PAOZZ
94	AN960JD916	.	WASHER						1		PAOZZ
95	AN924-6D	.	NUT						1		PAOZZ
96	7M148V6	.	ELBOW (76301)						1		PAOZZ
	7M148DA6	.	ELBOW (76301)						1	*	PAOZZ
97	AN960JD716	.	WASHER						3		PAOZZ
98	AN924-4D	.	NUT						3		PAOZZ
99	74A581002-1001	.	ADAPTER, STRAIGHT, FLANGE TO TUBE -						1		XBOOO
		.	REFUEL, TANK NO. 1 (76301)								
	NAS664V6HT	.	SCREW (AP)						4		PAOZZ
100	74A581030-2001 %	.	GASKET - SUPPORT, TANK NO. 1 (76301)						1	M	PAOZZ
101	W904K40DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326)						1		PAOZZ
		.	(MCDONNELL SPEC 7M765-40D-1)								
	14C12-40A	.	COUPLING, CLAMP, GROOVED (HALF) (24984)						1		PAOZZ
		.	(MCDONNELL SPEC 7M765-40D-1)								
	W904F40DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326)						1	*	PAOZZ
		.	(MCDONNELL SPEC 7M550-40D-1)								
102	MS29513-230	.	PACKING						1		PAOZZ

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 19)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
103	74A580616-1009	. TUBE ASSEMBLY - REFUEL, TANK NO. 1 ENTRY (76301) (REPLACES 74A580616-1005 AND 74A580616-1007)	1	D	PAOZZ
	74A580616-1005	. TUBE ASSEMBLY - REFUEL, TANK NO. 1 ENTRY (76301) (USE UNTIL EXHAUSTED)	1	D*	PAOZZ
	74A580616-1007	. TUBE ASSEMBLY - REFUEL, TANK NO. 1 ENTRY (76301) (USE UNTIL EXHAUSTED)	1	D*	PAOZZ
	74A580616-1011	. SEE ABOVE	1	E	PAOZZ
104	74A582150-1001	. SUPPORT - 2/3 CASE, XMTR, LIQUID QTY (76301)	1		XBOOO
	NAS664V3HT	. SCREW (AP)	2		PAOZZ
	74A582150-2001	. SUPPORT (76301) (USE WITH INDEX 104)	1		XBOZZ
	MS21060L4	. NUT, PLATE (USE WITH INDEX 104)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
105	74A581030-2013 %	. GASKET - SUPPORT, TANK NO. 1 (76301)	1	M	PAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

+ ITEMS WITH THIS SYMBOL WHEN USED
TOGETHER MAY BE USED TO REPLACE
ITEMS WITH SYMBOL @. RETAINERS AND
NON-PROTRUDING TYPE BULKHEAD
CONNECTORS ARE REPLACEMENT PARTS
FOR NUTS AND PROTRUDING TYPE
BULKHEAD CONNECTORS REF WP012 00
OR 016 00 AND WP013 02.

@ ITEMS WITH THIS SYMBOL WHEN REMOVED
TOGETHER MAY BE REPLACED BY ITEMS
WITH SYMBOL +.

% ITEMS WITH THIS SYMBOL WHEN REMOVED
SHOULD BE REPLACED WITH A FILLET SEAL.

CODE	USABLE ON	MODEL
A	161353 & UP	F/A-18A
B	161354 & UP	F/A-18B
C	161353 THRU 161359	F/A-18A/B
D	161353 THRU 161528	F/A-18A/B
E	161702 & UP	F/A-18A/B
F	161354 & UP	F/A-18B
G	161354 THRU 161746	F/A-18B
H	161360 & UP	F/A-18A/B
J	161353 THRU 161715	F/A-18A/B
K	162402 & UP	F/A-18B
L	161354 THRU 161947	F/A-18B
N	161353 THRU 163118	F/A-18A/B

Figure 1. No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 20)

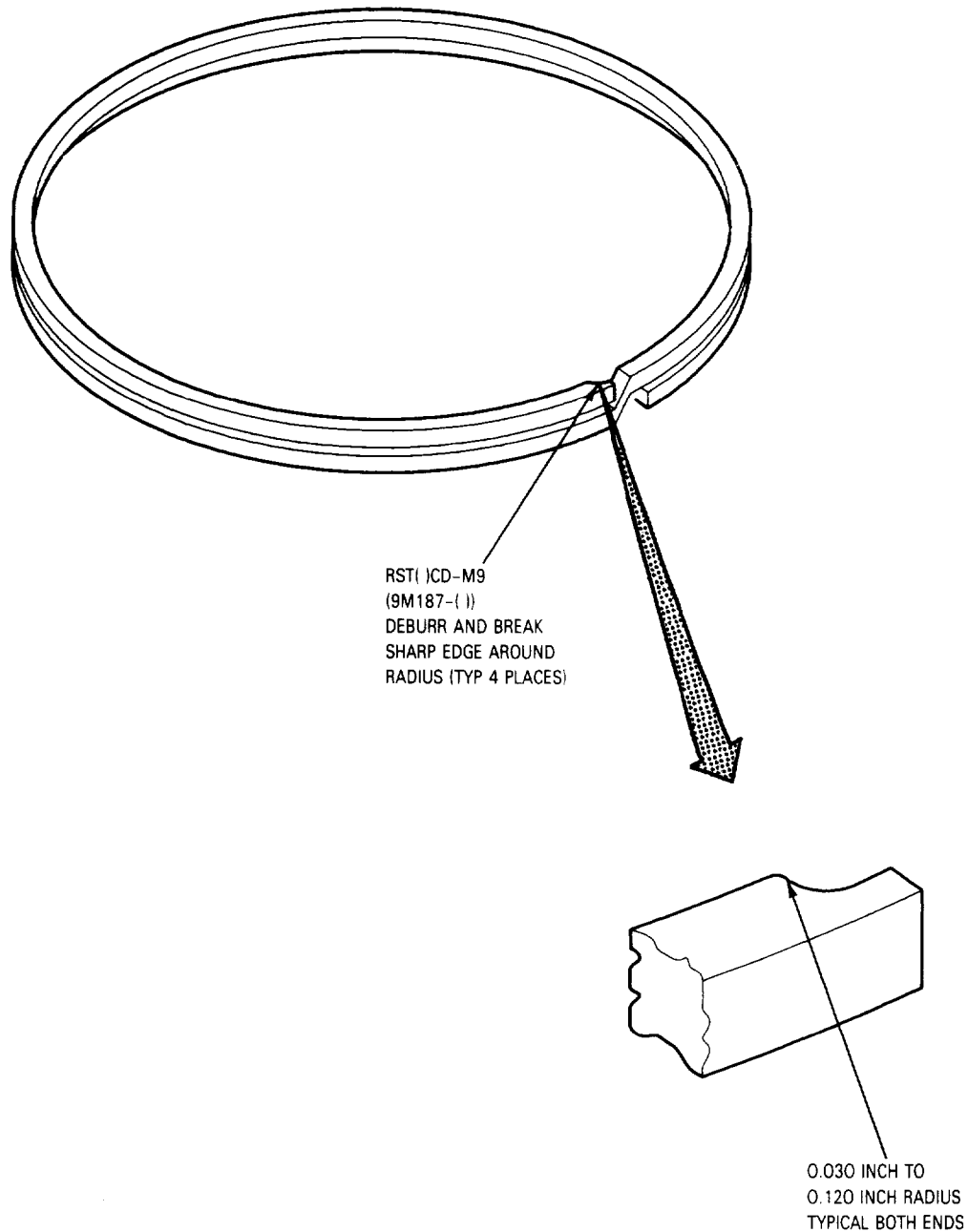


Figure 2. Retaining Ring RST()CD-M9

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

NO. 2 FUEL TANK CAVITY BULKHEAD FITTINGS AND SUPPORTS

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Removal - No. 2 Fuel Tank	WP018 00
Installation - No. 2 Fuel Tank	WP019 00
Pylon Flame Arrestor	WP099 00
Line Maintenance Access Doors	A1-F18AC-LMM-010
Structural Hardware	NAVAIR 01-1A-8
Structure Repair	A1-F18AC-SRM-200
Line Maintenance Procedures	A1-F18AC-LMM-000

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No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports, Figure 1	6
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 018	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Tank 2 and 3 (ECP (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	Rubber Gloves
-	Goggles
-	Brush (1/4 to 1/2 Inch, Paint Type)
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
NF20-1	Fuel Cell Breathing and Ventilating System



Converter, 910X357

12



Primer, Epoxy 519X303

13



Thinner, Epoxy Primer, 020X324

14

Materials Required

Specification or Part Number	Nomenclature
-	Plastic or Wooden Scraper
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-C-85054, Type 1 (CAGE 80244)	Corrosion Prevention Compound
910X357 (CAGE 97460)	Converter
519X303 (CAGE 97460)	Primer
020X324 (CAGE 97460)	Thinner, Epoxy

1. GENERAL INSTALLATION REQUIREMENTS.

a. Make sure mating surfaces of fitting and structure are clean.

b. If fitting is riveted in position, touch-up any bare metal on fitting (except packing sealing surfaces or electrical bonding joints) with mixed epoxy primer. Mix primer per substeps below.

NOTE

Add converter to primer, never add primer to converter. Thoroughly shake base component before mixing.

Mixed primer requires a 1 hour "sweat-in" period before use. Observe a 24 hour pot life for mixed primer.

(1) Add one volume 910X357 converter to three volumes 519X303 primer and mix thoroughly.

(2) Thin mixed primer with one volume 020X324 thinner and mix thoroughly.

c. Fillet seal all cavity fittings that do not have gaskets (A1-F18AC-SRM-200).

d. If fitting is bolted in position, do substeps below:

(1) Clean fitting with clean cheesecloth.



Corrosion Prevention Compound, MIL-C-85054, Type 1

15

(2) Hold corrosion prevention compound 12 to 18 inches from fitting and spray a thin, uniform coat over the outside of the fitting.

(3) Wait 1/2 hour then apply a second coat.

2. REMOVAL.



Improper procedures can damage bulkhead connector which will lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

It may be possible to remove some cavity components, depending on location and type of attachment without removing fuel tank.

- a. If required, remove no. 2 fuel tank (WP018 00).
- b. Remove part per applicable substep (see figure 1):

NOTE

Connectors on forward wall are removed through no. 1 fuel tank cavity and connectors on aft wall are removed through no. 3 fuel tank cavity.

- (1) Brackets (3, 4, 9 and 17, sheets 2, 3, and 4)

- (a) Remove bracket and attaching parts.

- (2) Supports (1, 7, and 46, sheets 2, 3 and 7)

- (a) Remove support and attaching parts.

- (3) Supports (14, and 15, sheet 3)

- (a) Open door 27 (A1-F18AC-LMM-010).

- (b) Remove support attaching rivets per NAVAIR 01-1A-8.

- (c) Remove support from inside cavity.

- (4) Adapter (12, sheet 3)

- (a) Open door 27 (A1-F18AC-LMM-010).

- (b) Remove adapter attaching rivets per NAVAIR 01-1A-8.

- (c) Remove adapter.

- (5) Cover (13, sheet 3)

- (a) Open door 27 (A1-F18AC-LMM-010).

- (b) Remove cover attaching rivets per NAVAIR 01-1A-8.

- (c) Remove cover from inside cavity.

- (6) Connector (23, sheet 4)

- (a) Remove centerline pylon flame arrestor (WP099 00)

- (b) Remove connector (23), gasket (24) and attaching parts.

- (7) Connectors (25, sheets 5 and 6)

- (a) Open door 27 (A1-F18AC-LMM-010).

- (b) Disconnect tubes (34, 35 and 36).

- (c) On 161353 THRU 1613145, disconnect tubes (39, 40 and 41).

- (d) On 163146 AND UP, disconnect tubes (39 and 41).

- (e) Remove bolts, connector and gasket (28) from inside cavity.

- (f) Remove elbows (32 and 33) packings (26 and 27) and retainers (29 and 37).

- (g) On 161353 THRU 1613145, remove elbows (32 and 38), packings (26 and 27) and retainers (29 and 37).

- (h) On 163146 AND UP, remove elbows (32), plug (45), packings (26 and 27) and retainers (30).

- (8) Adapter (42, sheet 6)

- (a) Remove adapter and attaching parts.

3. INSTALLATION.



Improper procedures can damage bulkhead connector which will lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

Make sure corrosion prevention of fasteners and attaching parts is done during installation (A1-F18AC-LMM-000).

a. Install part per applicable substep below (see figure 1):

NOTE

Connectors on forward wall are installed through no. 1 fuel tank cavity and connectors on aft wall are installed through no. 3 fuel tank cavity.

(1) Brackets (3, 4, 9 and 17, sheets 2, 3 and 4)

(a) Install breaker and attaching parts.

(b) Use shims as required to position brackets (3) per detail B.

(2) Supports (1, 7, and 46, sheets 2, 3 and 7)

(a) Install support and attaching parts.

(3) Supports (14, and 15, sheet 3)

(a) Position support and install rivets per NAVAIR 01-1A-8 inside cavity. Buck rivets through door 27.

(b) Close door 27 (A1-F18AC-LMM-010).

(4) Adapter (12, sheet 3)

(a) Install rivets per NAVAIR 01-1A-8 in cavity. Install adapter and buck rivets through door 27.

(b) Close door 27 (A1-F18AC-LMM-010).

(5) Cover (13, sheet 3)

(a) Position cover and install rivets per NAVAIR 01-1A-8 inside cavity. Buck rivets through door 27.

(b) Close door 27 (A1-F18AC-LMM-010).

(6) On 163129 AND UP, prepare mating surfaces of cavity and connector (23, sheet 4) for electrical bond (A1-F18AC-LMM-000).

(7) Install connector (23, sheet 4)

(a) Install gasket (24), connector (23) and attaching parts.

(b) Install centerline pylon flame arrestor (WP099 00).

(8) On 1613129 AND UP, prepare mating surfaces of cavity floor and connectors (25, sheets 5 and 6) for electrical bond (A1-F18AC-LMM-000).

(9) Connectors (25, sheets 5 and 6)



Petrolatum, Technical, VV-P-236

1

(a) Lubricate all new packings with petrolatum.

(b) Install packings (26 and 27).

(c) Install retainers (29 and 37) and elbows (32 and 33) or (32 and 38).

(d) Install gasket (28), connector (25) and attaching bolts.

(e) Connect tubes (34, 35, and 36) or (39, 40, and 41) and tighten nuts (30 and 31).

(f) Close door 27 (A1-F18AC-LMM-010).

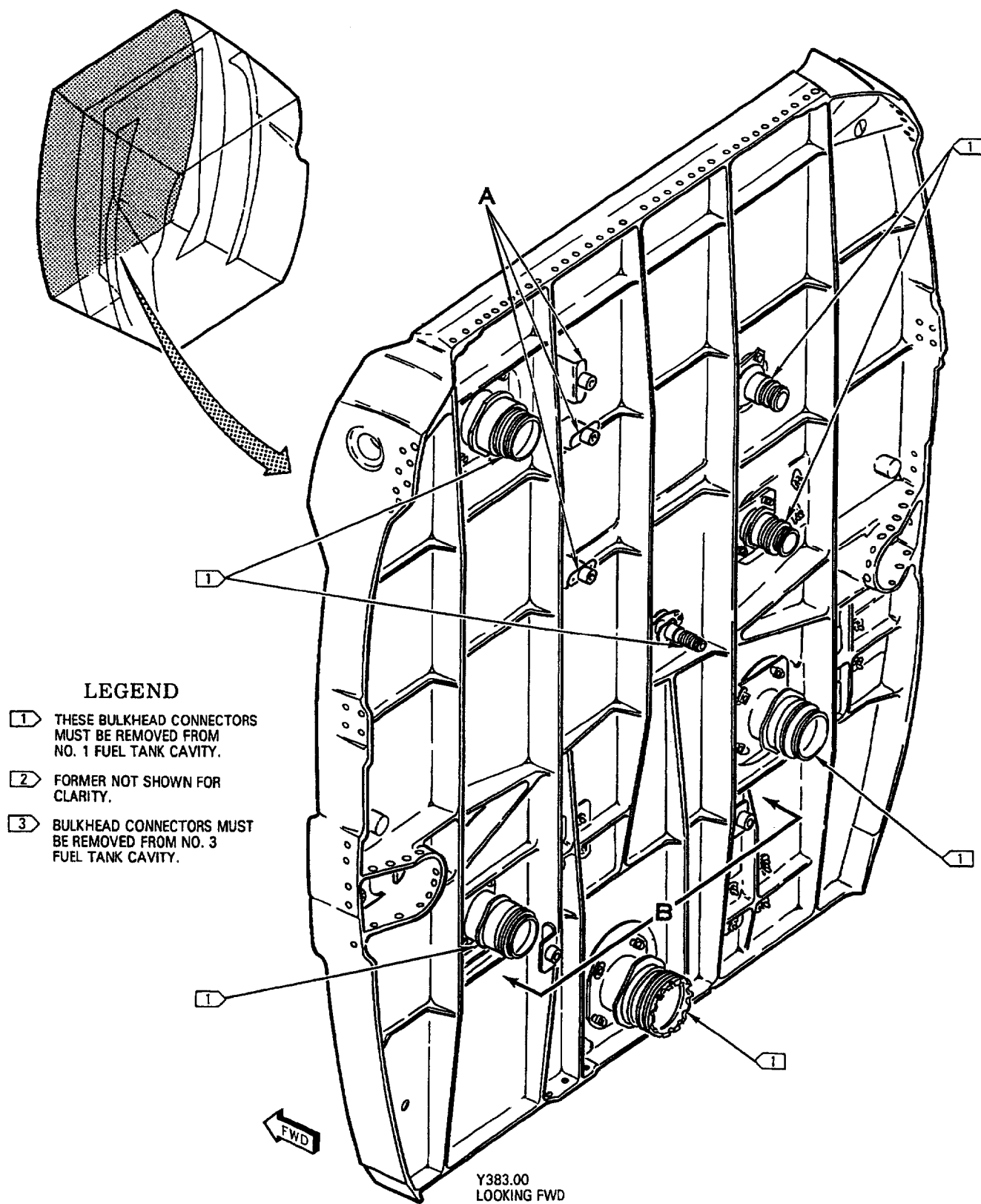
(10) Adapter (42, sheet 6)

(a) Install adapter, gasket and attaching parts.

b. Install no. 2 fuel tank (WP019 00).

4. ILLUSTRATED PARTS BREAKDOWN.

5. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



4100101

Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 1)

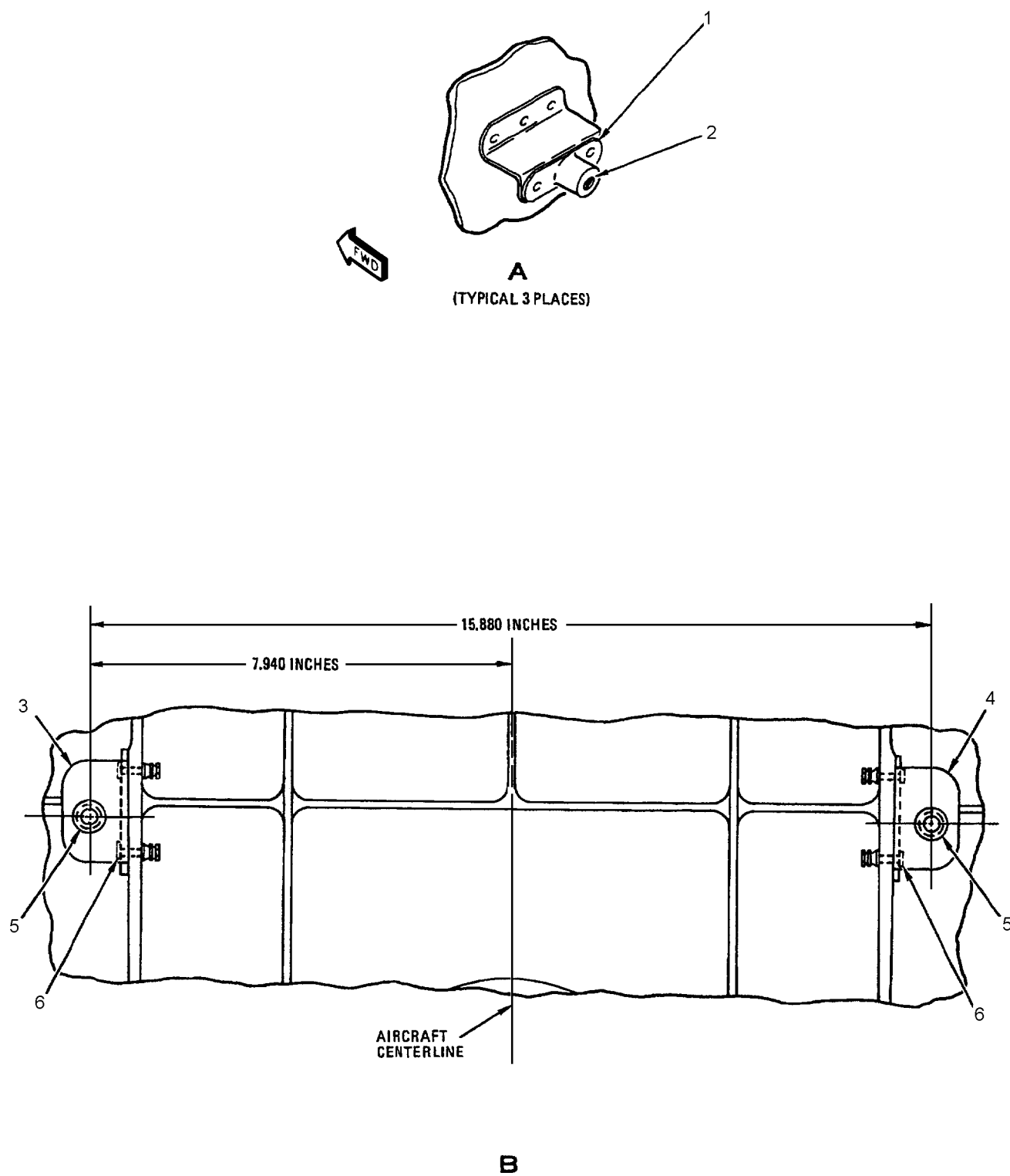
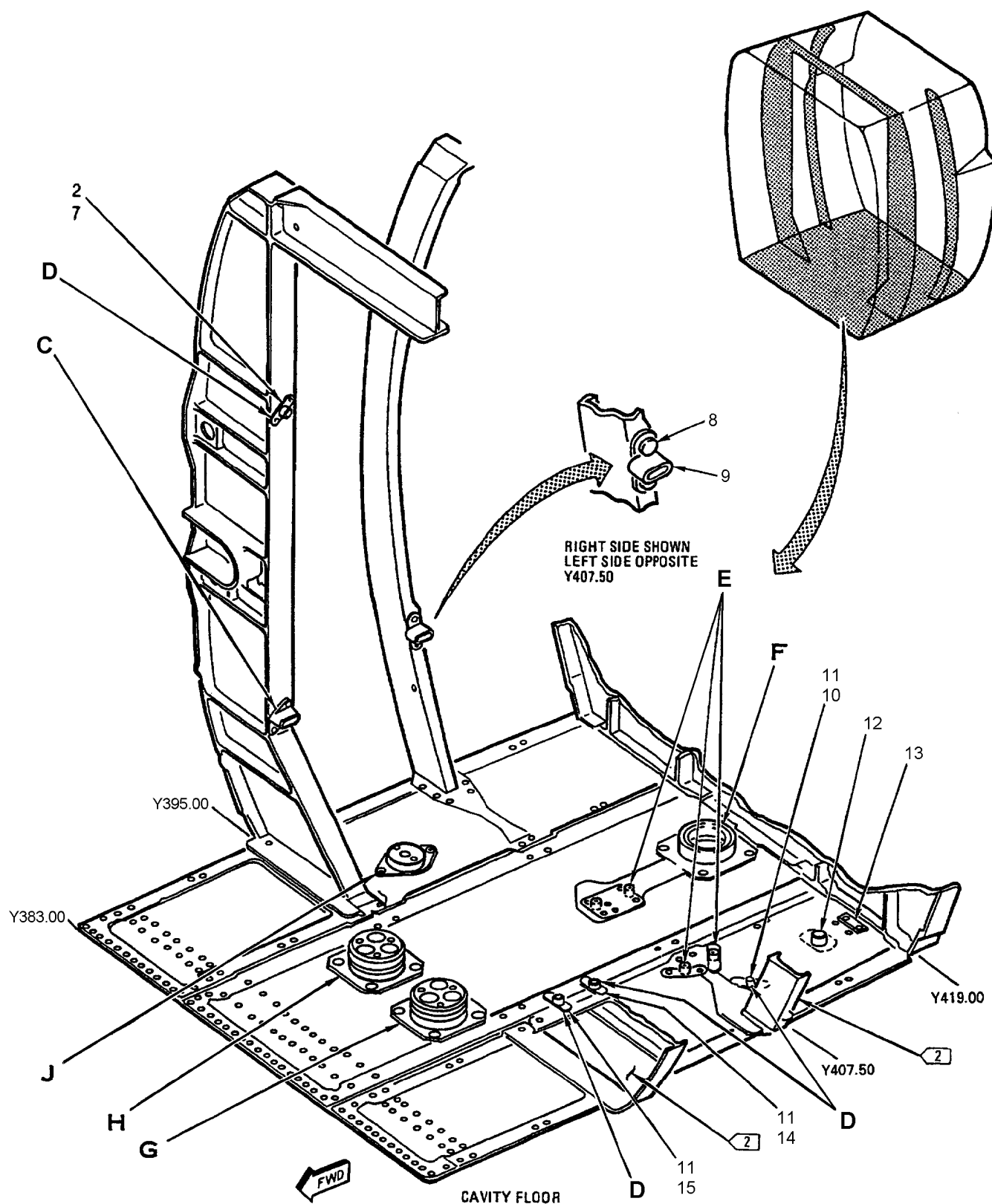
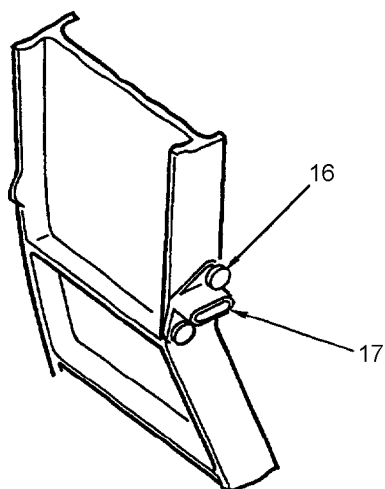


Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 2)



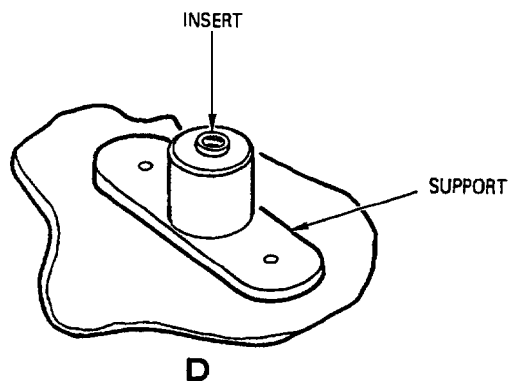
4100103

Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 3)

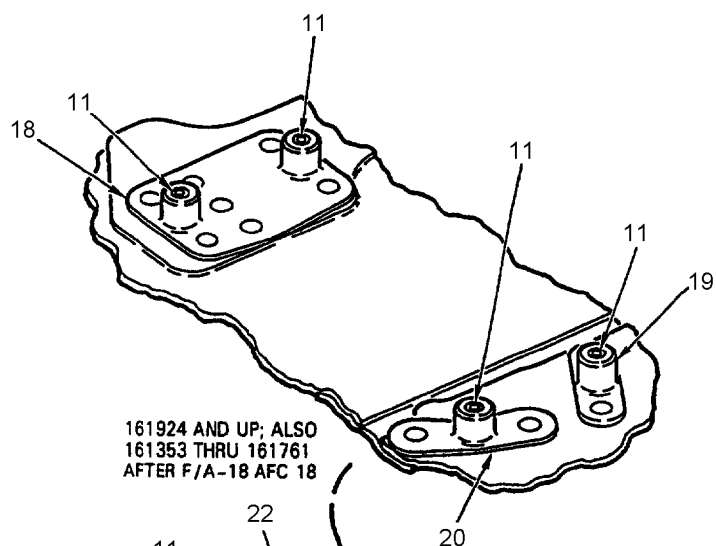


C

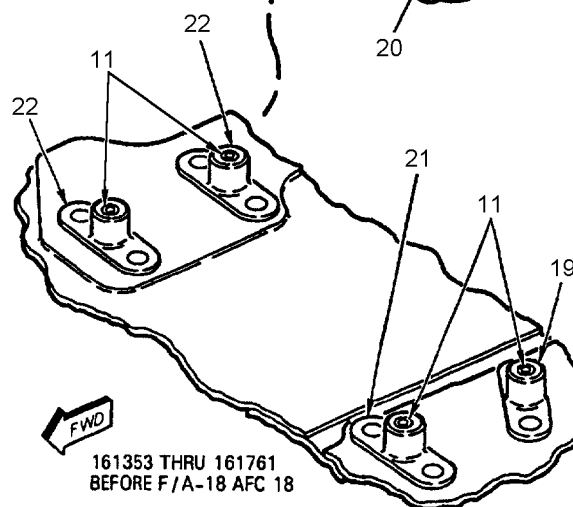
RIGHT SIDE SHOWN
LEFT SIDE OPPOSITE
Y395.00



D

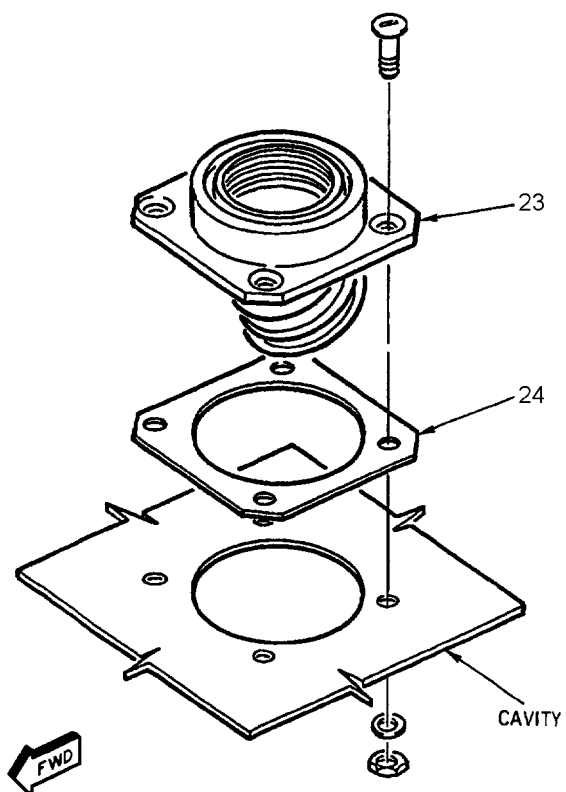


161924 AND UP; ALSO
161353 THRU 161761
AFTER F/A-18 AFC 18



161353 THRU 161761
BEFORE F/A-18 AFC 18

E



F

Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 4)

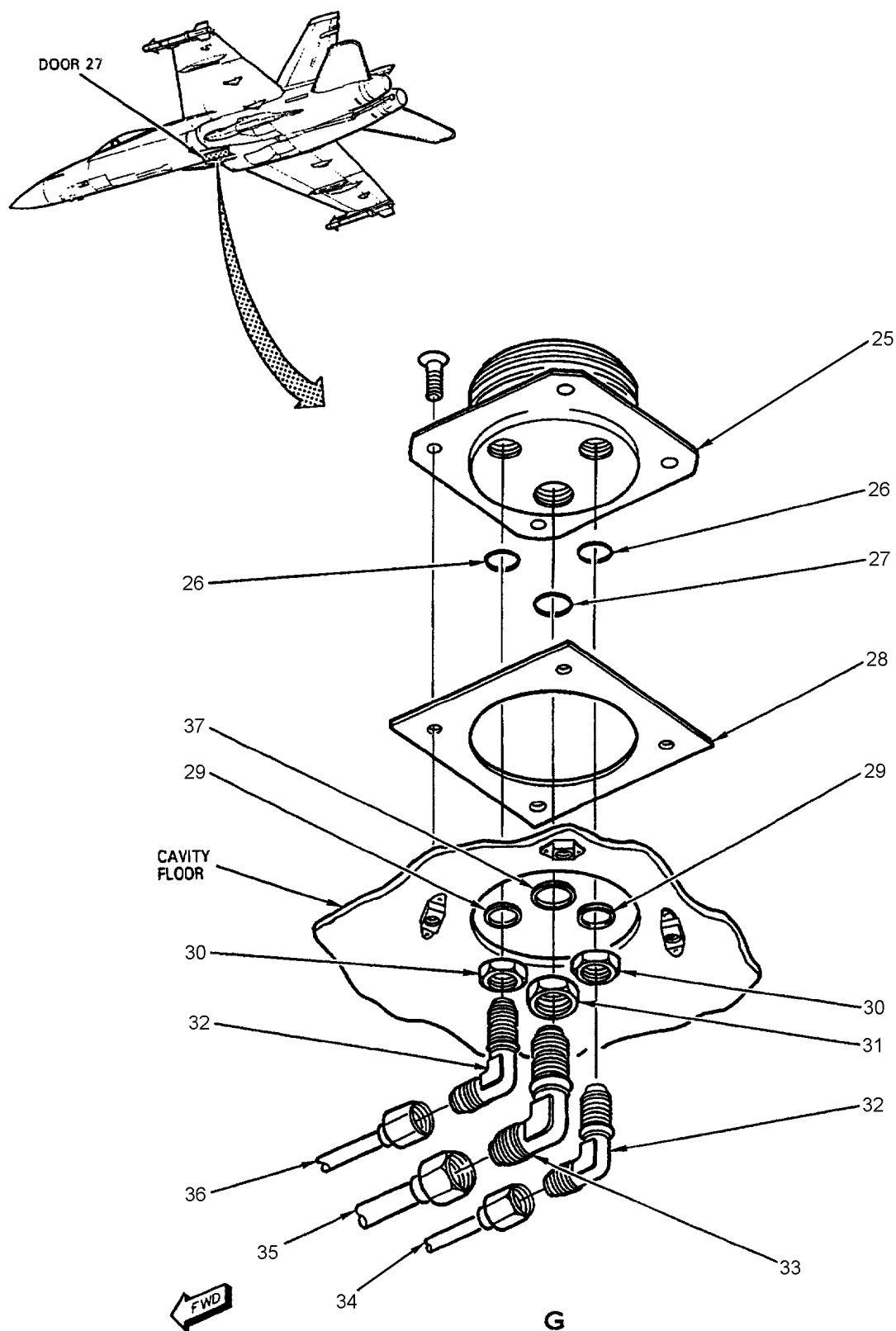


Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 5)

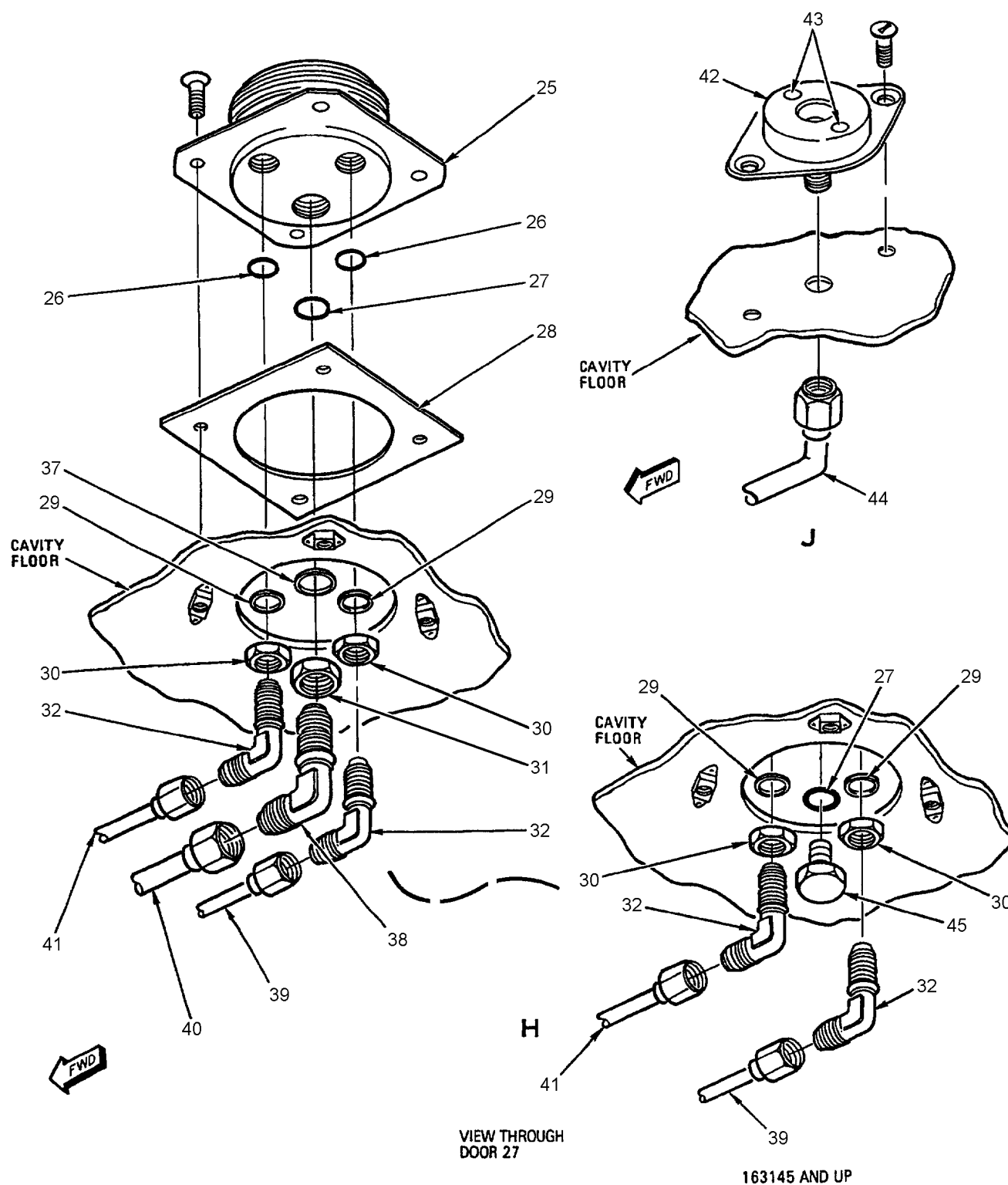


Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 6)

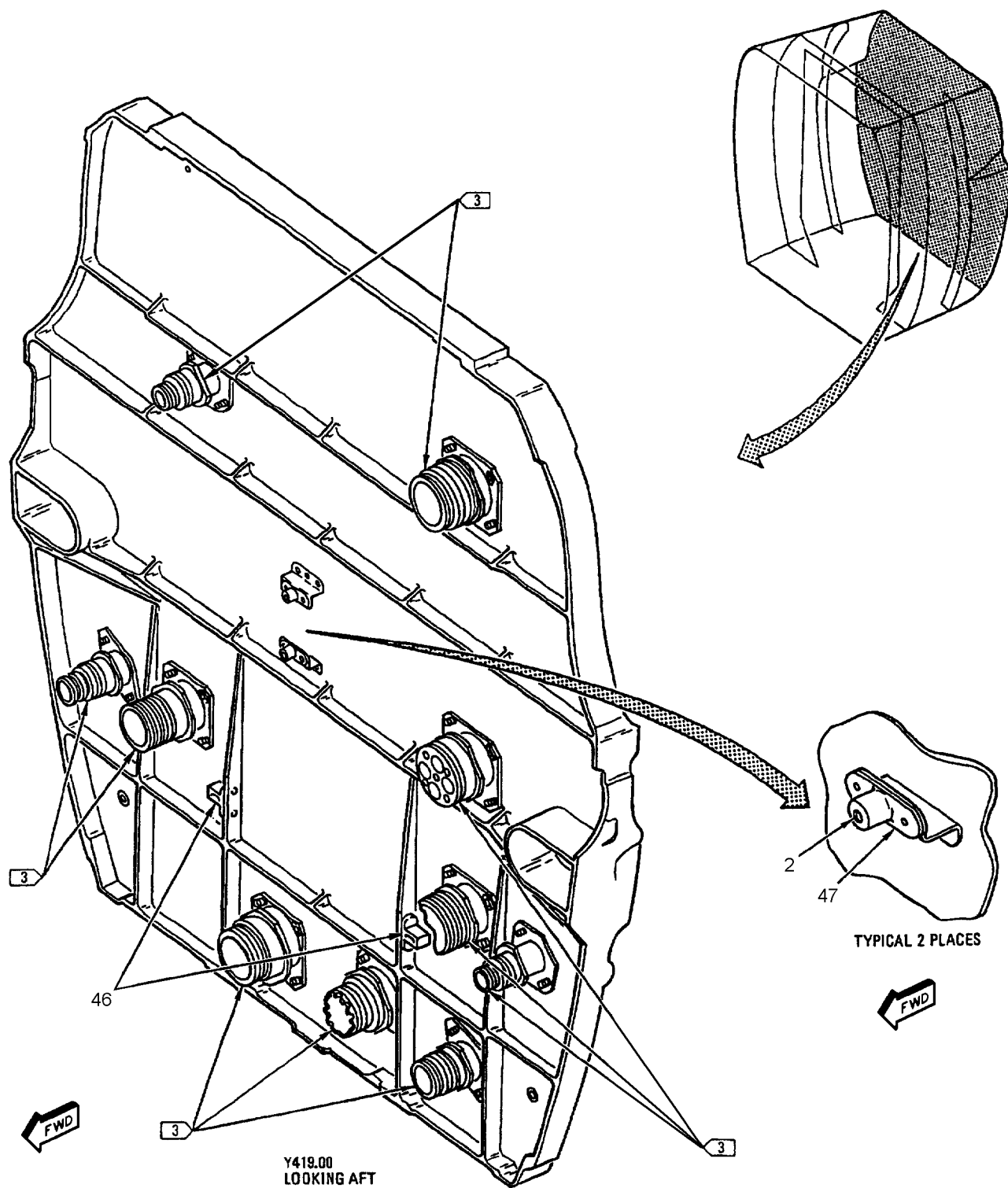


Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 7)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 2 FUEL TANK CAVITY BULKHEAD.			
		FITTINGS AND SUPPORTS			
1	74A586292-1035	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1005)	3		XBOOO
	MS20426E6 #	. RIVET (AP)	2		-
2	MS21209F1-20	. INSERT	6		PAOZZ
3	74A586253-1003	. BRACKET, BAFFLE - FUEL TANK, Y383 (76301). (SUPERSEDES 74A586253-1001)	1		XBOOO
	74A322904-2139	. SHIM (76301) (USE WITH INDEX 3)	AR		XBOZZ
4	74A586253-1004	. BRACKET, BAFFLE - FUEL TANK, Y383 (76301). (SUPERSEDES 74A586253-1002)	1		XBOOO
	74A322904-2139	. SHIM (76301) (USE WITH INDEX 4)	AR		XBOZZ
5	MS21209F5-15	. INSERT	2		PAOZZ
6	AIC-L-761V3L6	. PIN-RIVET, THREADED (AP) (06725)	2		PAOZZ
		(MCDONNELL SPEC ST3M761V3L6)			
	HLT312-6-6	. PIN-RIVET, THREADED (AP) (73197)	2		PAOZZ
		(MCDONNELL SPEC ST3M761V3L6)			
	SW1000-6M	. COLLAR - PIN, RIVET, THREADED (AP) (73197). (MCDONNELL SPEC ST3N526C3M) (USE WITH INDEX 6)	2		PAOZZ
7	74A586292-1039	. SUPPORT - COMPONENTS, TANK, FUEL..... SYSTEM (76301) (RIGHT SIDE ONLY) (SUPERSEDES 74A586292-1009)	1		PAOZZ
	MS20426AD5 #	. RIVET (AP)	2		-
8	HL644YE-6-4	. PIN-RIVET, THREADED (73197). (MCDONNELL SPEC ST3M457C3-4)	4	*	PAOZZ
	AIC-L-644-6-4	. SEE ABOVE (06725)	4	*	PAOZZ
	MA4457-3-4	. SEE ABOVE (58845)	4	*	PAOZZ
	HL570-6MC	. COLLAR - PIN, RIVET, THREADED (73197). (MCDONNELL SPEC ST3M525N3NE) (USE WITH INDEX 8)	4		PAOZZ
9	74A586207-2001	. BRACKET, BAFFLE - FUEL TANK, Y407.500..... (76301)	2		XBOZZ
10	74A586292-1033	. SUPPORT - COMPONENTS, TANK, FUEL..... SYSTEM (76301) (SUPERSEDES 74A586292-1003)	1		XBDOD
11	MS21209E4-15	. INSERT	7		PAOZZ
12	74A586281-2009	. ADAPTER - TANK NO. 2 DRAIN, FUEL BAY..... FLOOR (76301) (SUPERSEDES 74A586281-2007)	1		XBOZZ
	MS20426AD5 #	. RIVET (AP)	4		-
13	74A586429-2049	. COVER (CAVITY DRAIN) (76301)	1		XBOZZ
	74A586294-2005	. ADAPTER, TUBE - CAVITY DRAIN, TANK NO. 2 (76301) (USE WITH INDEX 13)	1		XBOZZ
	NAS42DD5-6	. SPACER (USE WITH INDEX 13)	2		PAOZZ
	MS20426AD5 #	. RIVET (AP)	4		-
14	74A586292-1037	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1007)	1		XBOOO
	MS20426DD6 #	. RIVET (AP)	2		-
15	74A586292-1037	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1007)	1	A	XBOOO
	MS20426DD6 #	. RIVET (AP)	2		-
	74A586292-1047	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1019)	1	B	XBOOO
	74R585020-1005	. SUPPORT (76301)	1	F	XBOZZ
	HLT311-6-4	. PIN-RIVET, THREADED (AP) (73197)	2	*	PAOZZ
		(MCDONNELL SPEC ST3M758V3L4)			
	AIC-L-758V3L4	. PIN-RIVET, THREADED (AP) (06725)	2	*	PAOZZ
		(MCDONNELL SPEC ST3M758V3L4)			

Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	HLT151T8-6-4	. PIN - RIVET, THREADED (73197). (MCDONNELL SPEC ST3M812-3-4)	2	P*	PAOZZ
	AIC-L-762-3-4	. SEE ABOVE (06725)	2	F*	PAOZZ
	MA4812-3-4	. SEE ABOVE (58845)	2	F*	PAOZZ
	HLT151DL-6-4	. SEE ABOVE (73197)	2	P*	PAOZZ
	HL570-6MC	. COLLAR, PIN - RIVET, THREADED (73197). (MCDONNELL SPEC ST3MS25N3ME) (USE WITH INDEX 15)	2	B	PAOZZ
	HL87DU6	. COLLAR, PIN - RIVET, THREADED (73197). (USE WITH INDEX 15)	2	F	-
16	HL644YE-6-4	. PIN-RIVET, THREADED (73197). (MCDONNELL SPEC ST3M457C3-4)	4	*	PAOZZ
	AIC-L-644-6-4	. SEE ABOVE (06725)	4	*	PAOZZ
	NA4457-3-4	. SEE ABOVE (58845)	4	*	PAOZZ
	HL570-6MC	. COLLAR - PIN, RIVET, THREADED (73197). (MCDONNELL SPEC ST3MS25N3ME) (USE WITH INDEX 16)	4		PAOZZ
17	74A586206-2002	. BRACKET, BAFFLE - FUEL TANK, Y395.000 (76301) (RIGHT SIDE)	1		XBOZZ
	74A586206-2001	. BRACKET, BAFFLE - FUEL TANK, Y395.000 (76301) (LEFT SIDE)	1		XBOZZ
18	74A586292-1051	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1025)	1	B	XBDOD
	74R585020-1003	. SUPPORT (76301)	1	F	XBDOD
19	74A586292-1057	. SUPPORT - COMPONENTS, TANK, FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1007)	1	C	XBDOD
	74A586292-1033	. SUPPORT - COMPONENTS, TANK, FUEL SYSTEM (76301)	1	D	XBDOD
20	74A5B6292-1055	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1029)	1	B	XBDOD
	74R585021-1001	. SUPPORT (76301)	1	F	XBDOD
21	74A586292-1033	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1003)	1	A	XBDOD
22	74A586292-1033	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1003)	2	A	XBDOD
23	74A586559-2005	. CONNECTOR - FUEL TRANS LINE, CTR PYLON TO TK NO. 2 (76301) (SUPERSEDES 74A586559-2003)	1		XBOZZ
	NAS664V4HT	. SCREW (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS1291C4M	. NUT (AP)	4		PAOZZ
24	74A586631-2061	. GASKET (76301)	1	E	PAOZZ
25	74A586225-2001	. CONNECTOR, TUBE, BULKHEAD - SYSTEMS CHECKOUT, Z90.150 (76301)	2		XBOZZ
	NAS664V3HT	. SCREW (AP)	4		PAOZZ
26	MS29512-04	. PACKING	4		PAOZZ
27	MS29512-06	. PACKING	2		PAOZZ
28	74A586631-2045	. GASKET (76301)	2	E	PAOZZ
29	MS28773-04	. RETAINER	4		PAOZZ
30	AN6289D4	. NUT	4		PAOZZ
31	AN6289D6	. NUT	2	J	PAOZZ
	AN6289D6	. NUT	1	H	PAOZZ
32	7M637BW-4D	. ELBOW (76301)	4		PAOZZ
33	7M134V06-04	. ELBOW (76301)	1		PAOZZ
34	74A586580-1001	. TUBE ASSEMBLY, METAL - VENT, Y387.853 (76301)	1		MGOZZ

Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 9)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
35	74A586577-1001	.	TUBE ASSEMBLY, METAL - VENT, Y386.975	.....					1		MGOZZ
			(76301)								
36	74A586581-1001	.	TUBE ASSEMBLY, METAL - VENT, Y387.105	.....					1		MGOZZ
			(76301)								
37	MS28773-06	.	RETAINER	.....					2		PAOZZ
38	7M637BW-6D	.	ELBOW (76301)	.....					1	G	PAOZZ
39	74A586582-1001	.	TUBE ASSEMBLY, METAL - VENT, Y388.457	.....					1		MGOZZ
			(76301)								
40	74A586578-1003	.	TUBE ASSEMBLY, METAL - VENT, Y387.125	.....					1	G	MGOZZ
			(76301) (SUPERSEDES 74A586578-1001)								
41	74A586579-1001	.	TUBE ASSEMBLY, METAL - VENT, Y387.073	.....					1		MGOZZ
			(76301)								
42	74A586295-1003	.	ADAPTER, PUMP - SINGLE POINT SCAVENGE,.....						1		XBOGG
			TANK NO. 2 (76301) (SUPERSEDES								
			74A586295-1001)								
	NAS663V4HT	.	SCREW (AP)	.....					2		PAOZZ
43	MS21209F1-15	.	INSERT	.....					2		PAOZZ
44	74A586571-1007	.	TUBE ASSEMBLY, METAL - FUEL, Y391.983	.....					1		MGOZZ
			(76301) (SUPERSEDES 74A586571-1003								
			AND 74A586571-1005)								
45	AN814-6D	.	PLUG	.....					1	H	PAOZZ
46	74A586205-2001	.	BRACKET, BAFFLE - FUEL TANK Y419.00	.....					2		XBOZZ
			(76301)								
	AIC-L-759V3L5	.	PIN RIVET, THREADED (AP) (06725)	.....					2	*	PAOZZ
			(MCDONNELL SPEC ST3M759V3L5)								
	HLT310-6-5	.	SEE ABOVE (73197)	.....					2	*	PAOZZ
	HL570-6MC	.	COLLAR - PIN RIVET, THREADED (AP) (06725).....						2		PAOZZ
			(MCDONNELL SPEC ST3M525N3ME)								
47	74A586292-1035	.	SUPPORT - COMPONENTS, TANK FUEL	.....					2		XBOOO
			SYSTEM (76301) (SUPERSEDES								
			74A586292-1005)								
	MS20426E6 #	.	RIVET (AP)	.....					2		-

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

CODE	USABLE ON	MODEL
A	161353 THRU 161761 BEFORE F/A-18 AFC 18	F/A-18A/B
B	161924 & UP	F/A-18A/B
C	161353 THRU 162414	F/A-18A/B
D	162415 & UP	F/A-18A/B
E	161353 THRU 163128	F/A-18A/B
F	161353 THRU 161761 AFTER F/A-18 AFC 18	F/A-18A
G	161353 THRU 163145	F/A-18A
H	163146 & UP	F/A-18A
J	161353 & UP	F/A-18A

Figure 1. No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 10)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

NO. 3 FUEL TANK CAVITY BULKHEAD FITTINGS AND SUPPORTS

FUEL STORAGE SYSTEM

Reference Material

Line Maintenance Access Doors	A1-F18AC-LMM-010
Fuel System	A1-F18AC-460-300
Protruding Type Bulkhead Connector Replacement	WP013 02
Removal - No. 3 Fuel Tank	WP012 00
Installation - No. 3 Fuel Tank	WP023 00
Structural Hardware	NAVAIR 01-1A-8
Structure Repair	A1-F18AC-SRM-200
Line Maintenance Procedures	A1-F18AC-LMM-000

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Installation	3
Materials Required	2
No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports, Figure 1	5
Parts List	16
Removal	3
Retaining Ring RST()CD-M9, Figure 2	23
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Fuel Tanks 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	Rubber Gloves
-	Goggles
-	Brush (1/4 to 1/2 Inch, Paint Type)
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
NF20-1	Fuel Cell Breathing and Ventilating System

Materials Required

Specification or Part Number	Nomenclature
-	Plastic or Wooden Scraper
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-C-85054, Type 1 (CAGE 80244)	Corrosion Prevention Compound
910X357 (CAGE 97460)	Converter
519X303 (CAGE 97460)	Primer
020X324 (CAGE 97460)	Thinner, Epoxy

1. GENERAL INSTALLATION REQUIREMENTS.

a. If installing rings, part number RST()CD-M9, do substeps below:



To prevent scoring of bulkhead connector, retaining rings must be deburred before installation.

(1) Deburr edges of ring (figure 2).

(2) Install ring (paragraph 3).

b. Make sure mating surfaces of fitting and structure are clean.

c. If fitting is riveted in position, touch-up any bare metal on fitting (except packing sealing surfaces or electrical bonding joints) with mixed epoxy primer. Mix primer per substeps below.



Converter, 910X357

12



Primer, Epoxy 519X303

13



Thinner, Epoxy Primer, 020X324

14

NOTE

Add converter to primer, never add primer to converter. Thoroughly shake primer before mixing.

Mixed primer requires a 1 hour "sweat-in" period before use. Observe a 24 hour pot life for mixed primer.

(1) Add one volume 910X357 converter to three volumes 519X303 primer and mix thoroughly.

(2) Thin mixed primer with one volume 020X324 thinner and mix thoroughly.

d. Fillet seal all fittings that do not have gaskets (A1-F18AC-SRM-200).

e. If fitting is bolted in position, do substeps below:

(1) Clean fitting with clean cheesecloth.



Corrosion Prevention Compound, MIL-C-85054, Type 1

15

(2) Hold corrosion prevention compound 12 to 18 inches from fitting and spray a thin, uniform coat over the outside of the fitting.

(3) Wait 1/2 hour then apply a second coat.

2. REMOVAL.



Improper procedures could damage bulkhead connector which could lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

It may be possible to remove some cavity components, depending on location and type of attachment, without removing fuel tank.

- a. Remove no. 3 fuel tank (WP011 00), if required.
- b. Remove part per applicable substep (see figure 1):
 - (1) Connectors (protruding) (10, 15, 22, 29, 36, 43, 28, 61, 67, 87, and 94, sheets 2, 3, 4, 5, 6, and 10).
 - (a) Remove connector, gasket and attaching parts.
 - (2) Connectors (nonprotruding) (17, 24, 31, 38, 47, 56, 63, 69, 92 and 99, sheets 2, 3, 4, 5, 6, and 10).
 - (a) Remove connector, ring and attaching parts.
 - (3) Supports (1, 3, 77 and 84, sheets 1, 7 and 8).
 - (a) Open door 36 (A1-F18AC-LMM-010).
 - (b) Remove support attaching rivets per NAVAIR 01-1A-8.
 - (c) Remove support from inside cavity.
 - (4) Brackets (5, 70, 76, 81, 101 and 104, sheets 1, 7 and 11).
 - (a) Remove bracket and attaching parts.
 - (5) Cover (73, sheet 7).
 - (a) Open door 36 (A1-F18AC-LMM-010).

(b) Remove cover attaching rivets per NAVAIR 01-1A-8.

(c) Remove cover from inside cavity.

(6) Adapters (74 and 75, sheet 7).

(a) Open door 36 (A1-F18AC-LMM-010).

(b) Remove adapter attaching rivets per NAVAIR 01-1A-8.

(c) Remove adapter from inside of cavity.

3. INSTALLATION.



Improper procedures could damage bulkhead connector which could lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

Make sure corrosion prevention of fasteners and attaching parts is done during installation (A1-F18AC-LMM-000).

- a. Install part per applicable substep below (see figure 1):
 - (1) On 163129 AND UP, prepare mating surfaces of bulkhead and connector (10, sheet 2) for electrical bond (A1-F18AC-LMM-000).
 - (2) Connectors (protruding) (10, 15, 22, 29, 36, 43, 54, 61, 67, 87 and 94, sheets 2, 3, 4, 5, 6 and 10).
 - (a) Install connector, gasket and attaching parts.
 - (3) Prepare mating surfaces of bulkhead and connector (47, sheet 4) for electrical bond (A1-F18AC-LMM-000).
 - (4) Connectors (nonprotruding) (17, 24, 31, 38, 47, 56, 63, 69, 92 and 99, sheets 2, 3, 4, 5, 6 and 10).

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks can occur resulting in fire hazard.

CAUTION

To prevent scoring of bulkhead connector, retaining rings (RST()CD-M9) must be deburred before installation (paragraph 1).

(a) Inspect and replace damaged or missing retaining rings.

(b) Install connector, ring and attaching parts.

(5) Supports (1, 3, 77 and 84, sheets 1, 7 and 8).

(a) Install supports inside cavity. Install rivets, through door 36, per NAVAIR 01-1A-8.

(b) Close door 36 (A1-F18AC-LMM-010).

(6) Brackets (5, 70, 76, 81, 101 and 104, sheets 1, 7 and 11).

(a) Install bracket and attaching parts.

(7) Cover (73, sheet 7).

(a) Position cover and install rivets, through door 36, per NAVAIR 01-1A-8.

(b) Close door 36 (A1-F18AC-LMM-010).

(8) Adapters (74 and 75, sheet 7).

(a) Working through door 36, position adapter and install rivets per NAVAIR 01-1A-8.

(b) Close door 36 (A1-F18AC-LMM-010).

b. Install no. 3 fuel tank (WP023 00).

4. ILLUSTRATED PARTS BREAKDOWN.

5. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

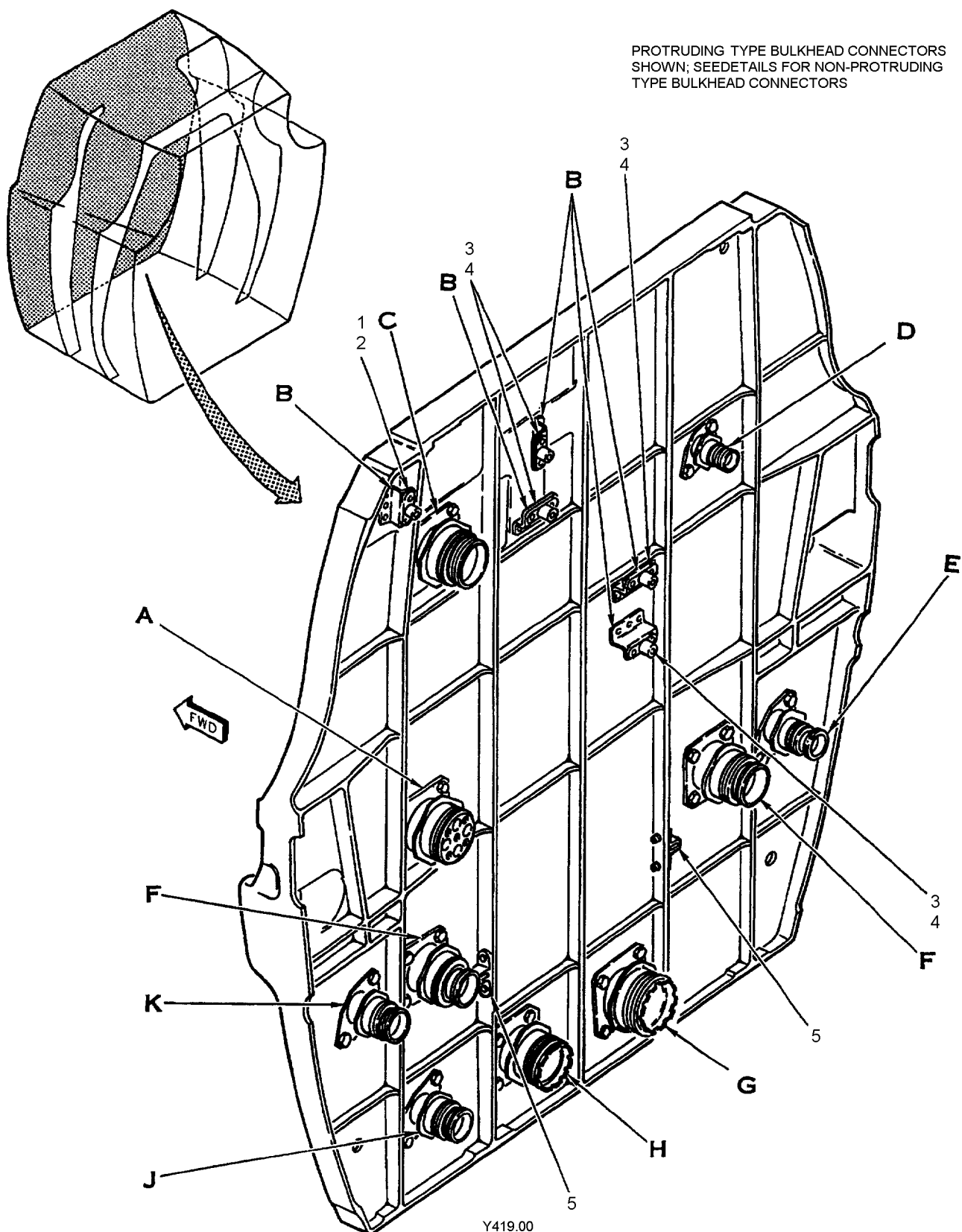
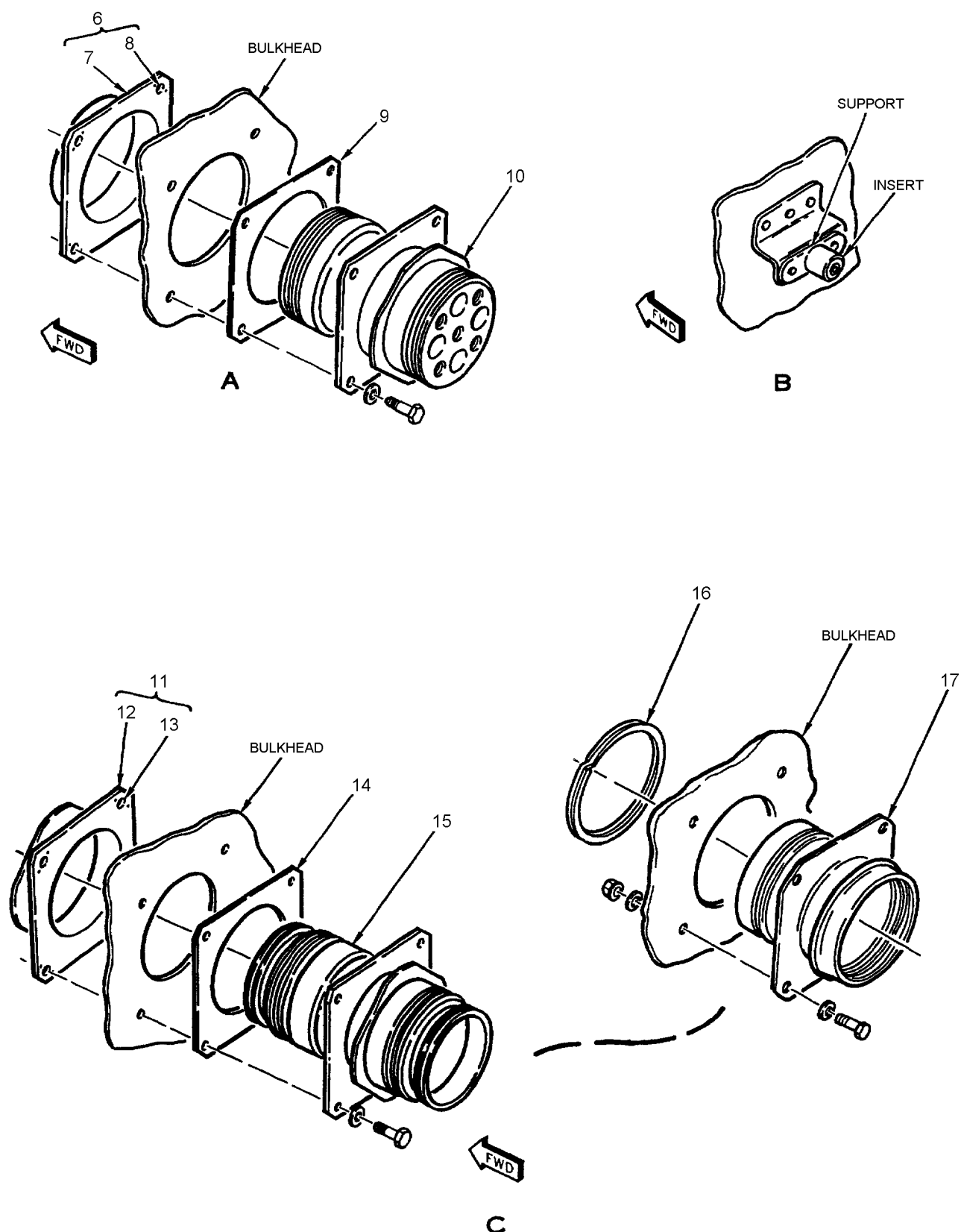
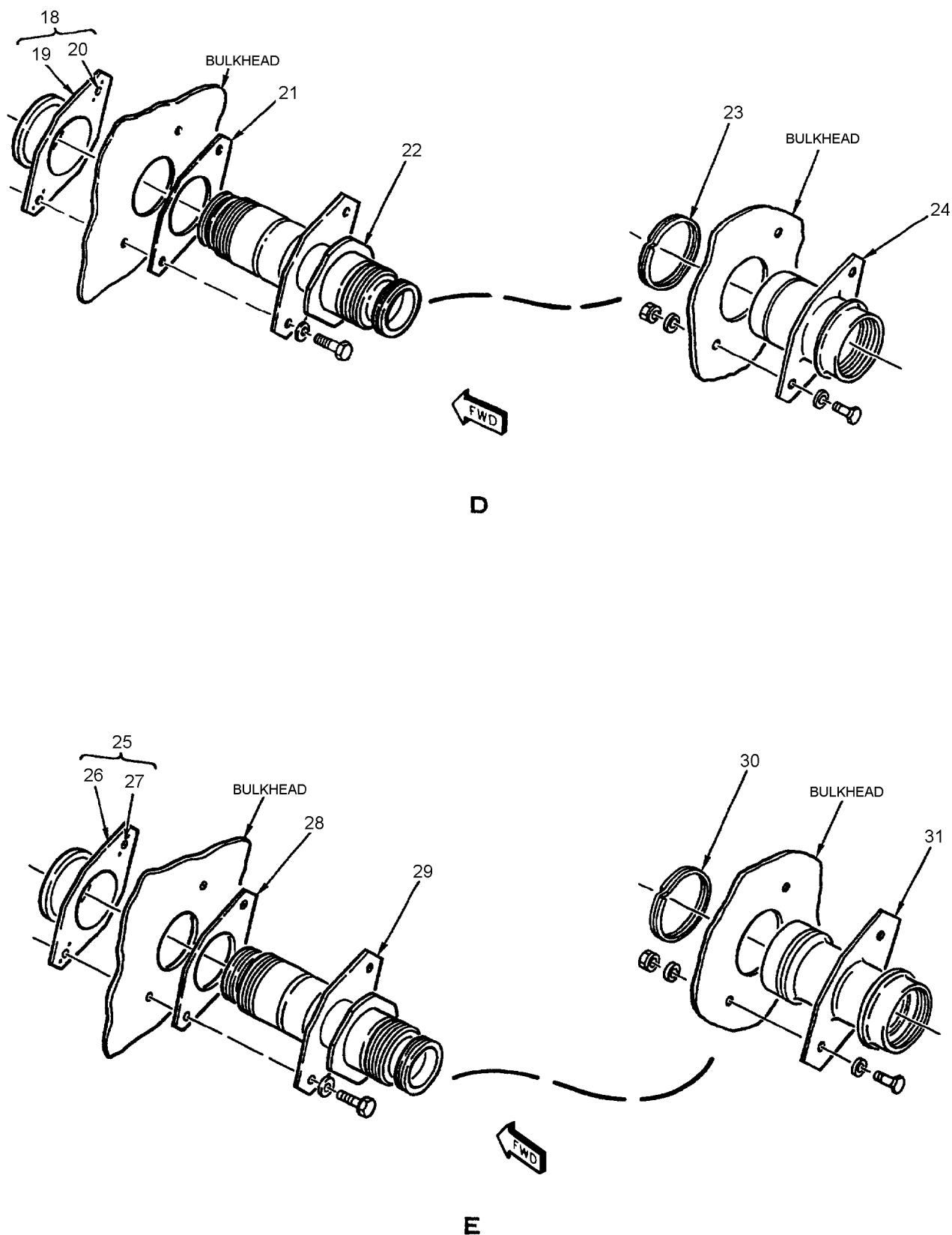


Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 1)



4200102

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 2)



4200103

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 3)

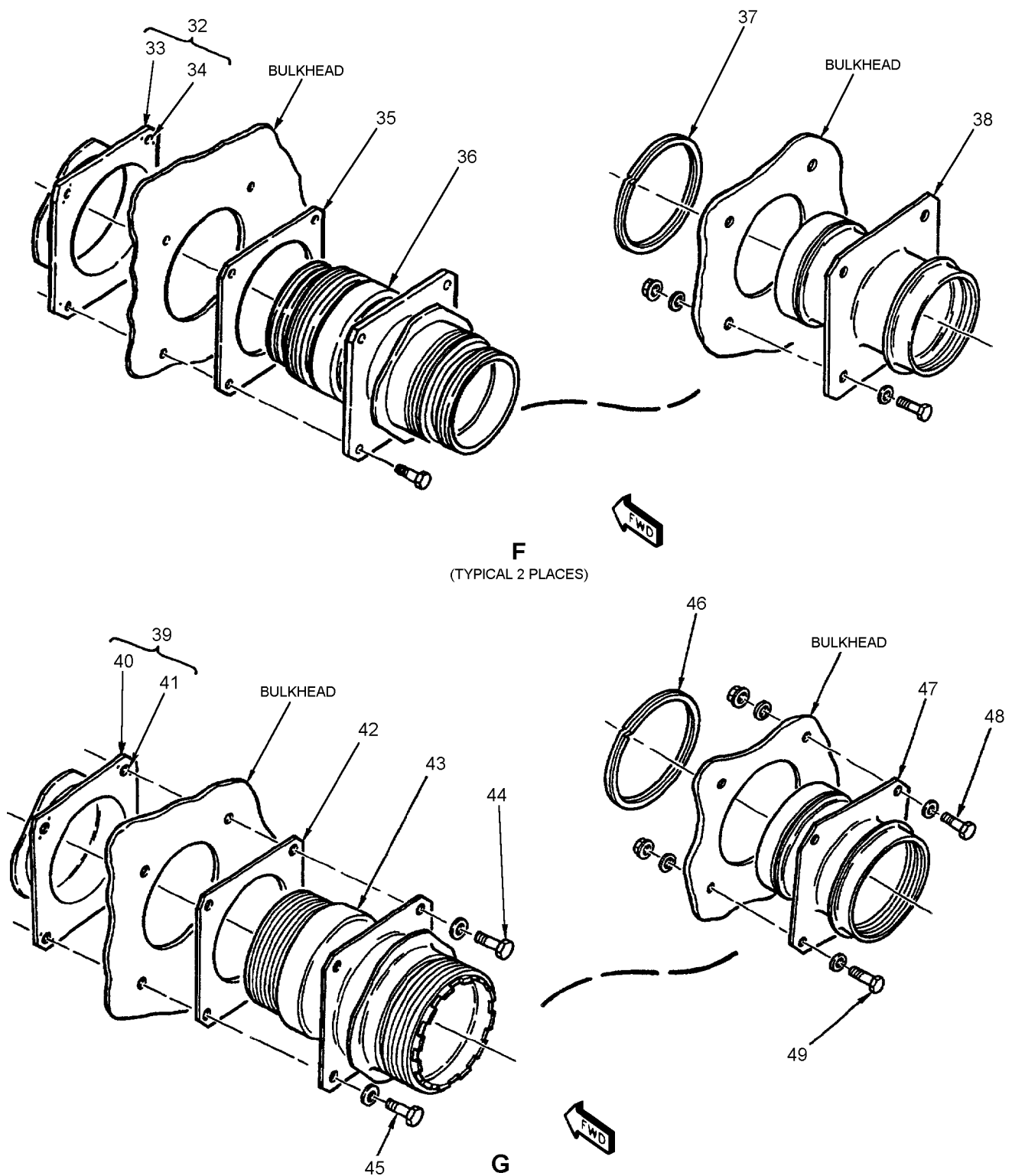
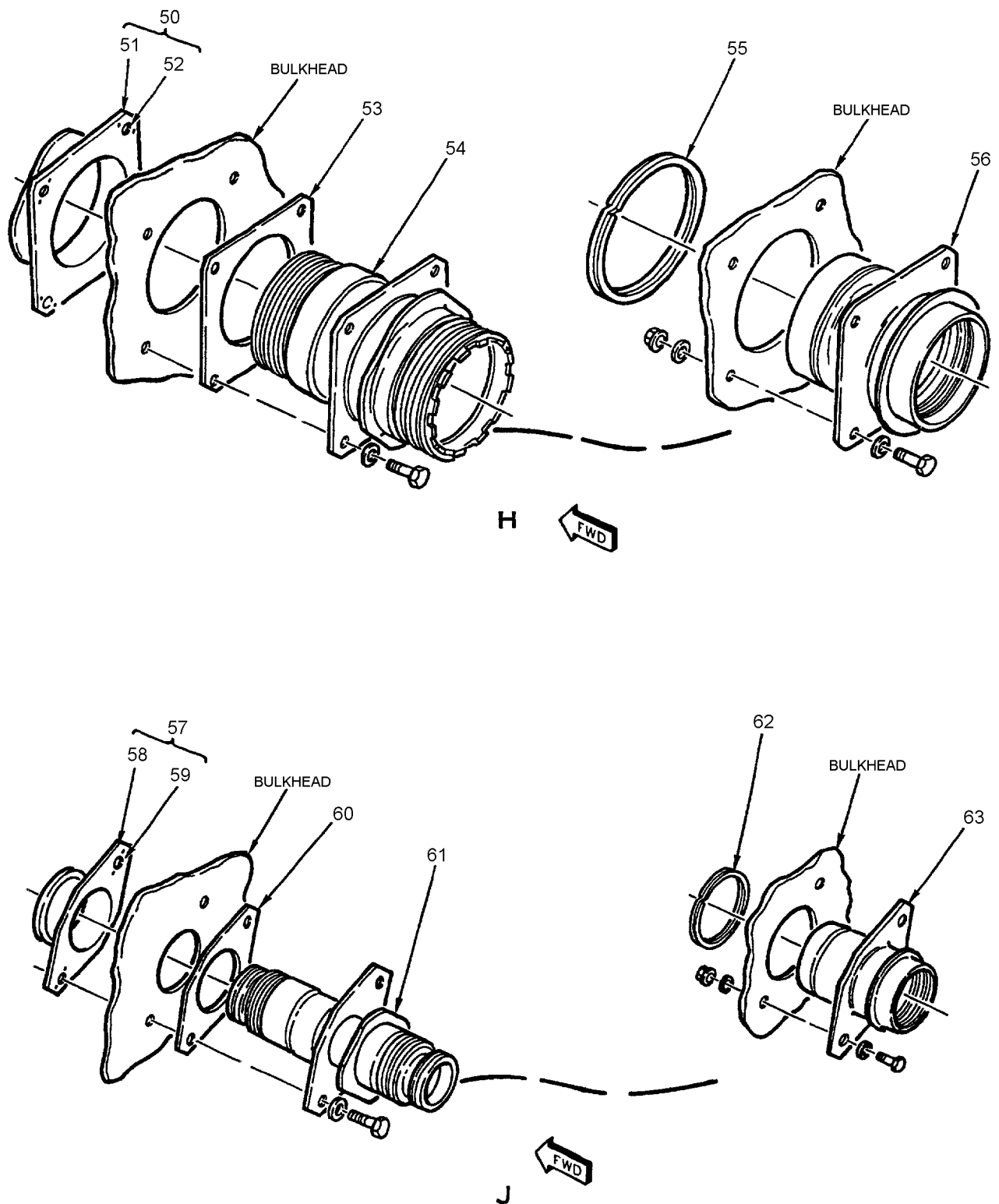


Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 4)



4200105

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 5)

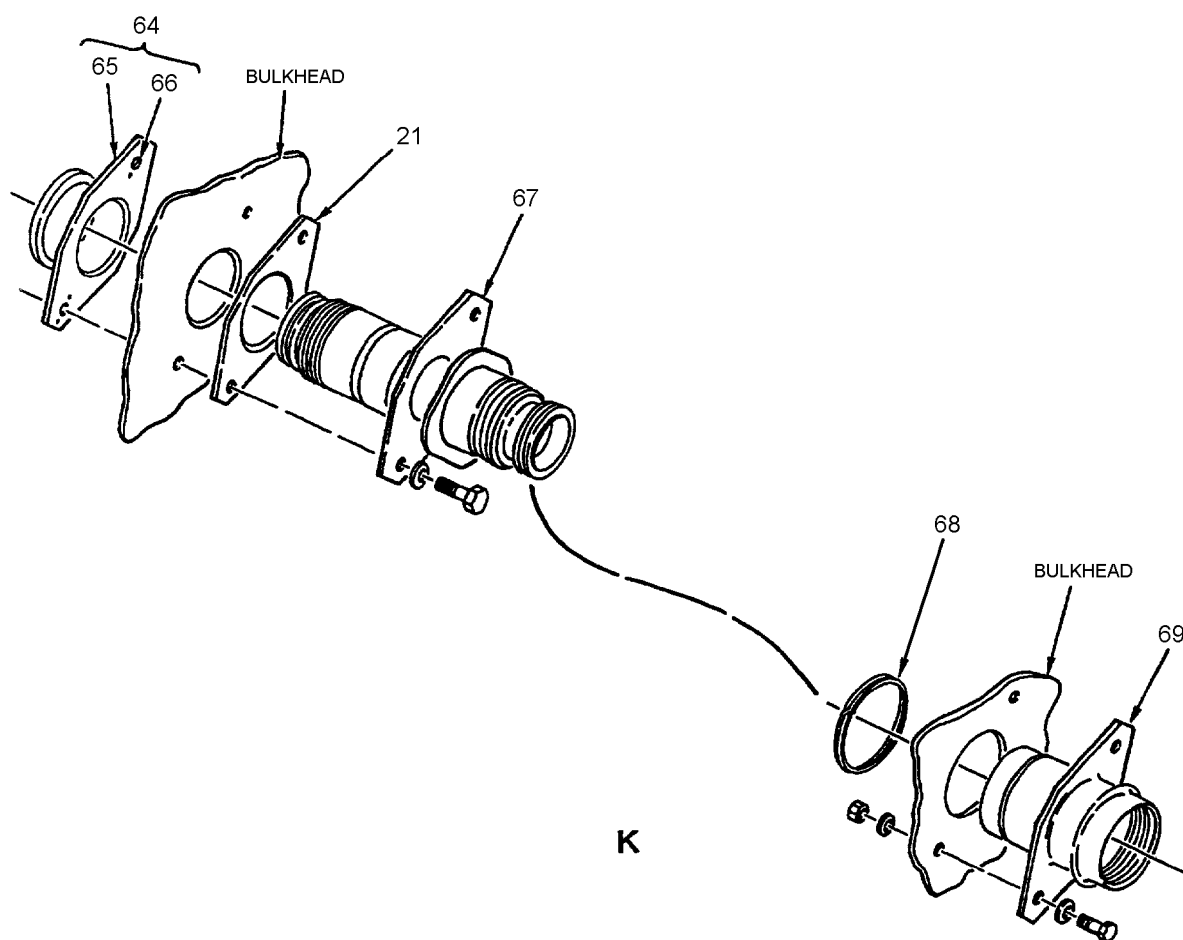


Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 6)

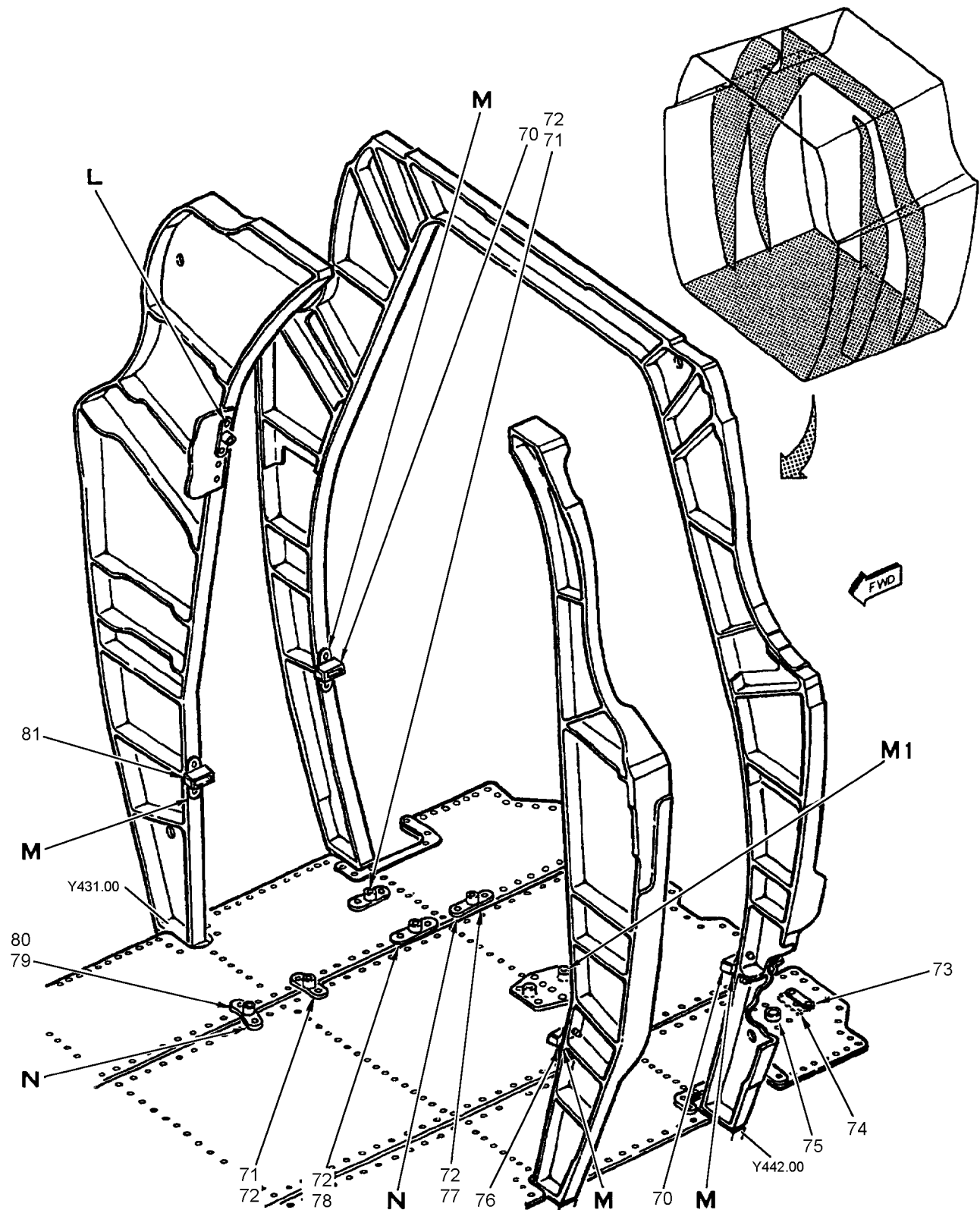
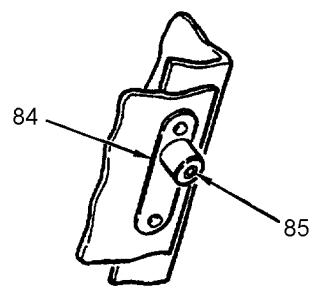
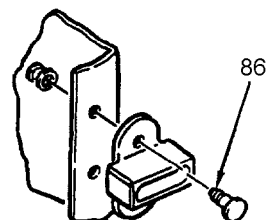


Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 7)



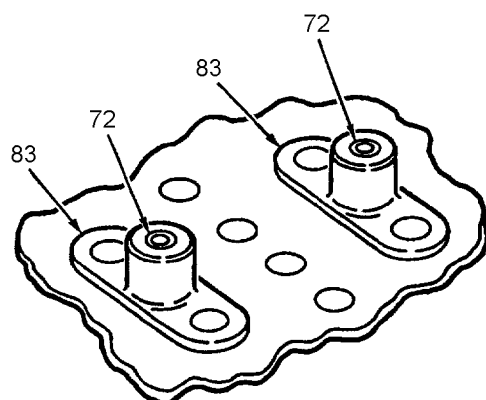
L

RIGHT SIDE ONLY

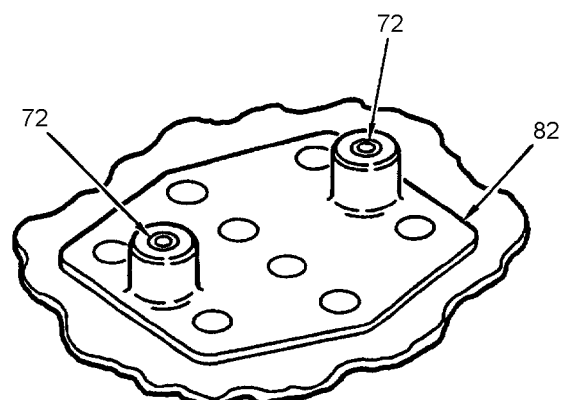


M

TYPICAL 2 PLACES
LEFT AND RIGHT SIDE



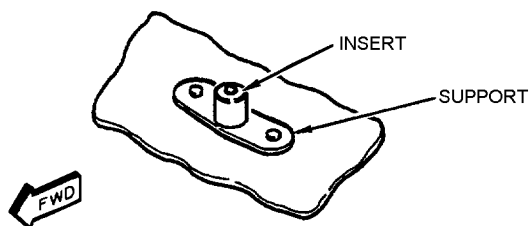
161353 THRU 161745
BEFORE F/A-18 AFC 18



161746 AND UP; ALSO
161353 THRU 161745
AFTER F/A-18 AFC 18



M1



N

TYPICAL 5 PLACES - 161746 AND UP;
AFTER F/A-18 AFC 18
TYPICAL 7 PLACES - 161353 THRU 161745
BEFORE F/A-18 AFC 18

CAVITY FLOOR

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 8)

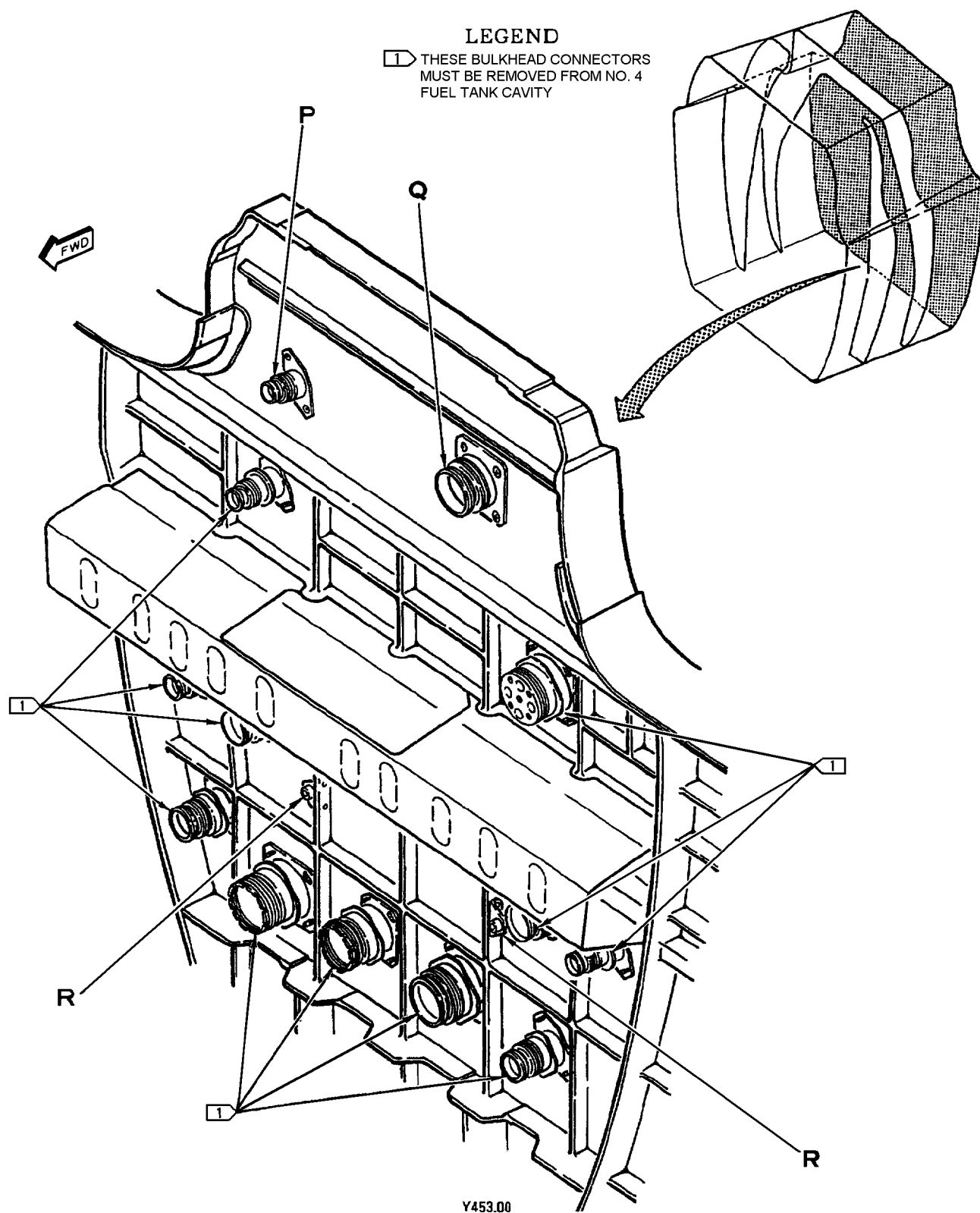


Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 9)

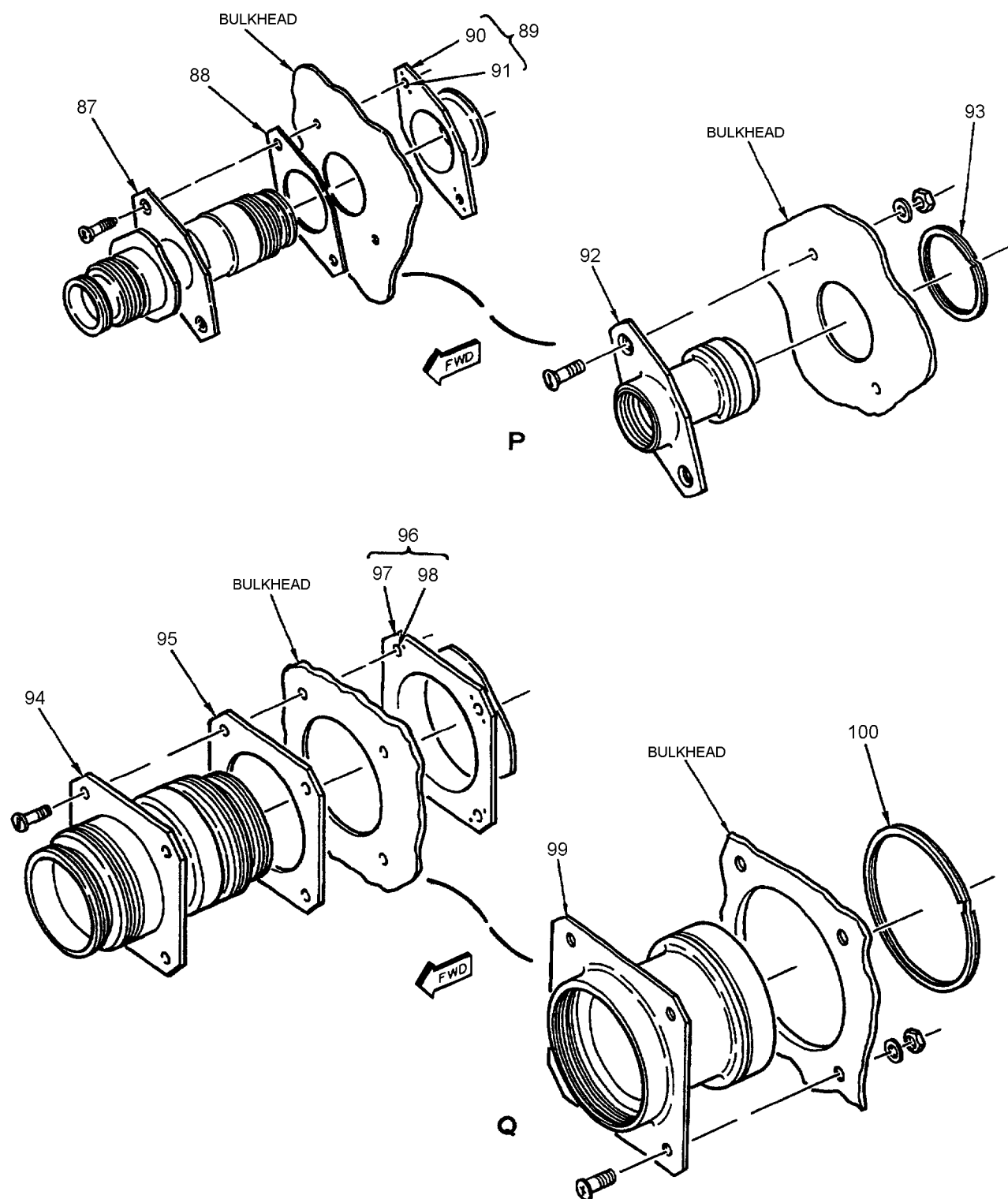


Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 10)

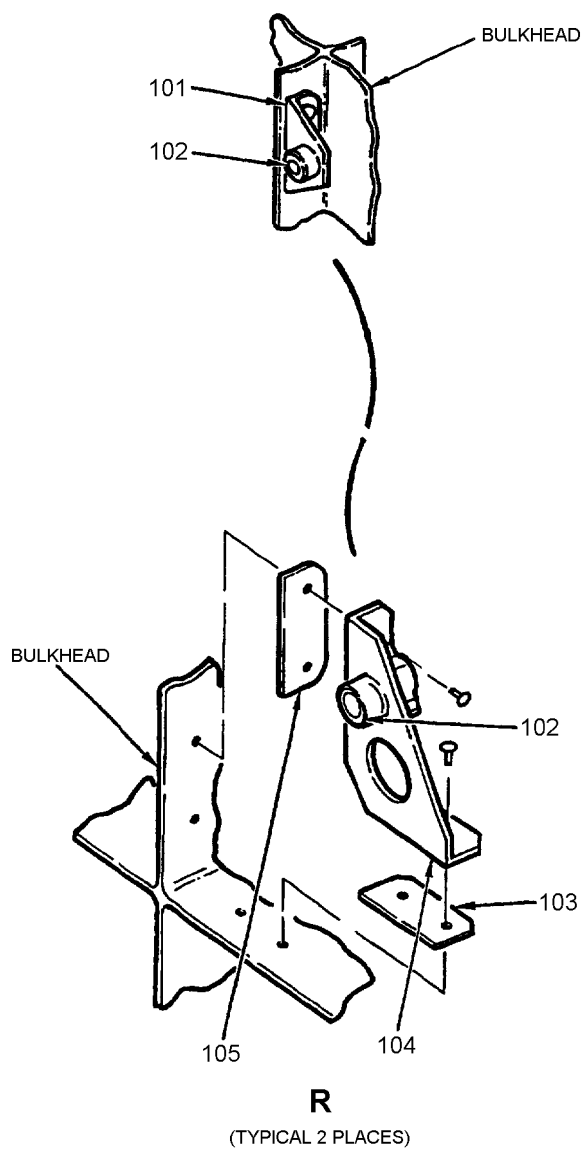


Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 11)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
		NO. 3 FUEL TANK CAVITY BULKHEAD.			
		FITTINGS AND SUPPORTS			
1	74A586292-1033	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1003)	1		XBOOO
	MS20426E-6 #	. RIVET (AP)	2		-
2	MS21209F4-15	. INSERT	1		PAOZZ
3	74A586292-1035	. SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1005)	4		XBOOO
	MS20470AD5 #	. RIVET (AP)	2		-
4	MS21209F1-20	. INSERT	4		PAOZZ
5	74A586205-2001	. BRACKET, BAFFLE - FUEL TANK, Y419.00 (76301)	2		XBOZZ
	AIC-L-759V3-5	. PIN-RIVET, THREADED (AP) (06725) (MCDONNELL SPEC ST3M759V3L5)	2	*	PAOZZ
	HLT310-6-5	. SEE ABOVE (92215)	2	*	PAOZZ
	HL570-6MC	. COLLAR - PIN, RIVET, THREADED (AP) (73197) (MCDONNELL SPEC ST3M525N3ME)	2		PAOZZ
6	74A586238-1001	. SPACER - BHD CONNECTOR TO VENT TK., 2.50 DIA LINE, Y419 (76301)	1		XBOOO
7	74A586238-2001	. SPACER (76301)	1		XAOZZ
8	MS21075L4	. NUT, PLATE	4		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
9	74A586631-2033	. GASKET, PAPER - BKD CONN IN FUEL SYSTEM (76301)	1	J	PAOZZ
10	74A586224-2001	. CONNECTOR, TUBE, BULKHEAD - SYSTEMS CHECKOUT, Y419.000 (76301)	1		XBOZZ
	NAS674V6	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
11	74A586238-1001 @	. SPACER - BHD CONNECTOR TO VENT TK., 2.50 DIA LINE, Y419 (76301)	1	A	XBOOO
12	74A586238-2001	. SPACER (76301)	1	A	XAOZZ
13	MS21075L4	. NUT, PLATE	4	A	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
14	74A586631-2025	. GASKET, PAPER - BKD CONN IN FUEL SYSTEM (76301)	1	A	PAOZZ
15	74A586210-2001 @	. CONNECTOR, TUBE, BULKHEAD, PROTRUDING VENT, Y419 AND Y453 (76301)	1	A	XBOZZ
	NAS674V5	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
16	D-RST306CD-M9 +	. RING, RETAINING (80756) (MCDONNELL SPEC 9N857-306) (REPLACES RST306CD-M9)	1		PAOZZ
17	74A585708-2001 +	. CONNECTOR, TUBE, BULKHEAD, NONPROTRUDING VENT, Y419.00 (76301)	1		PAOZZ
	NAS674V4	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	8		PAOZZ
	NAS1291C4M	. NUT (AP)	4		PAOZZ
18	74A586233-1001 @	. SPACER - BHD CONNECTOR TO FUEL TANK, 1.0 DIA LINE, Y419 (76301)	1	A	XBOOO
19	74A586233-2001	. SPACER (76301)	1	A	XBOZZ
20	MS21075L4	. NUT, PLATE	2	A	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
21	74A586631-2007 @	. GASKET, PAPER - BKD CONN IN FUEL SYSTEM (76301)	2	A	PAOZZ
22	74A586221-2001 @	. CONNECTOR, TUBE, BULKHEAD, PROTRUDING 1 IN REFUEL BYP, TK 2 & 3, Y419 (76301)	1	A	XBOZZ

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 12)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	NAS674V5	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
23	D-RST156CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					1		PAOZZ
			SPEC 9M857-156) (REPLACES								
			RST156CD-M9)								
24	74A585728-2001 +	.	CONNECTOR, TUBE, BULKHEAD,	.....					1		PAOZZ
			NONPROTRUDING 1.00 DIA,								
			Y419.00 (76301) (RIGHT SIDE)								
	NAS674V4	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
	NAS1291C4M	.	NUT (AP)	.....					2		PAOZZ
25	74A586235-1001 @	.	SPACER - BLD CONNECTOR TO FUEL TANK,	.....					1	A	XBOOO
			1.25 DIA LINE, Y419 (76301)								
26	74A586235-2001	.	SPACER (76301)	.....					1	A	XAOZZ
27	MS21075L4	.	NUT, PLATE	.....					2	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
28	74A586631-2017 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					1	A	PAOZZ
			SYSTEM (76301)								
29	74A586219-2001 @	.	CONNECTOR, TUBE, BULKHEAD,	.....					1	A	PAOZZ
			PROTRUDING 1.25 IN. M/F FUEL								
			XFR, Y419 (76301)								
	NAS674V5	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
30	D-RST181CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					1		PAOZZ
			SPEC 9M857-181) (REPLACES								
			RST181CD-M9								
31	74A585713-2003 +	.	CONNECTOR, TUBE, BULKHEAD,	.....					1		PAOZZ
			NONPROTRUDING 1.25 DIA,								
			Y419.00 (76301)								
	NAS674V4	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
	NAS1291C4M	.	NUT (AP)	.....					2		PAOZZ
32	74A586232-1001 @	.	SPACER - BHD CONNECTOR TO REFUEL	.....					2	A	XBOOO
			LINE, 2.00 DIA, Y419 (76301)								
33	74A586232-2001	.	SPACER (76301)	.....					2	A	XAOZZ
34	NS21075L4	.	NUT, PLATE	.....					4	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
35	74A586631-2055 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					2	A	PAOZZ
			SYSTEM (76301)								
36	74A586214-2001 @	.	CONNECTOR, TUBE, BULKHEAD,	.....					2	A	XBOZZ
			PROTRUDING REFUEL LINE,								
			2.00 DIA, Y419 (76301)								
	NAS674V5	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
37	D-RST255CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					2		PAOZZ
			SPEC 9M857-255) (REPLACES								
			RST255CD-M9)								
38	74A585710-2001 +	.	CONNECTOR, TUBE, BULKHEAD,	.....					2		PAOZZ
			NONPROTRUDING REFUEL LINE,								
			Y419.00 (76301)								
	NAS674V4	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
	NAS1291C4M	.	NUT (AP)	.....					4		PAOZZ
39	74A586288-1001 @	.	SPACER - BHD CONNECTOR TO FUEL	.....					1	A	XBOOO
			TANK, 2.50 DIA LINE, Y419 (76301)								
40	74A586288-2001	.	SPACER (76301)	.....					1	A	XBOZZ
41	MS21075L4	.	NUT, PLATE	.....					4	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
42	74A586631-2029 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					1	A	PAOZZ
			SYSTEM (76301)								

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 13)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
43	74A586212-1001 @	.	CONNECTOR, TUBE, BULKHEAD,						1	A	XBOZZ
			PROTRUDING - 2.50 IN., GRAVITY								
			INTCON, Y419 (NO. 2 FUEL TANK								
			PRESSURE OPERATED INTERCONNECT								
			VALVE RESTRICTOR) (76301) (5RAP665)								
44	NAS673V6 @	.	BOLT						1	A	PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 44)						1		PAOZZ
45	NAS674V5 @	.	BOLT						3	A	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 45)						3		PAOZZ
46	D-RST334CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.						1		PAOZZ
			SPEC 9M857-334) (REPLACES								
			RST334CD-M9)								
47	74A585709-1005 +	.	CONNECTOR, TUBE, BULKHEAD -						1		XBOZZ
			NONPROTRUDING - GRAVITY,								
			INTERCONNECT Y419.00 (76301)								
48	NAS673V4 +	.	BOLT						1		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 48)						1		PAOZZ
	NAS1291C3M	.	NUT (USE WITH INDEX 48)						1		PAOZZ
49	NAS674V4 +	.	BOLT						3		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 49)						3		PAOZZ
	NAS1291C4M	.	NUT (USE WITH INDEX 49)						3		PAOZZ
50	74A586370-1001 @	.	SPACER - BHD CONN, MAIN BOOST PUMP,						1	K	XBOOO
			Y419 & Y453 (76301)								
51	74A586370-2001	.	SPACER (76301)						1	K	XAOZZ
52	MS21075L4	.	NUT, PLATE						4	K	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
53	74A586631-2019 @	.	GASKET, PAPER - BKD CONN IN FUEL						1	K	PAOZZ
			SYSTEM (76301)								
54	74A586201-2001 @	.	CONNECTOR, TUBE, BULKHEAD,						1	K	XBOZZ
			PROTRUDING - PUMP, FUEL,								
			Y419.00 & Y453.000 (76301)								
	NAS674V5	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
55	D-RST275CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.						1	B	PAOZZ
			SPEC 9M857-275) (REPLACES								
			RST275CD-M9)								
	D-RST287CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.						1	M	PAOZZ
			SPEC 9M857-287) (REPLACES								
			RST287CD-M9)								
56	74A585707-2001 +	.	CONNECTOR, BULKHEAD, NONPROTRUDING ~						1	B	XBOZZ
			FUEL PUMP Y419.000 (76301)								
	74A587115-2001	.	CONNECTOR, BULKHEAD, NONPROTRUDING ~						1	M	XBOZZ
			FUEL PUMP Y419.000 (76301)								
	NAS674V4	.	BOLT (AP)						4	P	PAOZZ
	AN960JD416L	.	WASHER (AP)						8	P	PAOZZ
	NAS1291C4M	.	NUT (AP)						4	P	PAOZZ
57	74A586234-1001 @	.	SPACER - BHD CONNECTOR TO FUEL						1	A	XBOOO
			TANK, 1.5 DIA LINE, Y419 (76301)								
58	74A586234-2001	.	SPACER (76301)						1	A	XAOZZ
59	MS21075L4	.	NUT, PLATE						2	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
60	74A586631-2027 @	.	GASKET, PAPER - BKD CONN IN FUEL						1		PAOZZ
			SYSTEM (76301)								
61	74A586217-2001 @	.	CONNECTOR, TUBE, BULKHEAD,						1	A	XBOZZ
			PROTRUDING - MOTIVE FLOW								
			BST, 1.5 DIA, Y419 (76301)								
	NAS674V5	.	BOLT (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						2		PAOZZ
62	D-RST206CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.						1		PAOZZ
			SPEC 9M857-206) (REPLACES								
			RST206CD-M9)								

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 14)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
63	74A585711-2001 +	.	CONNECTOR, TUBE, BULKHEAD,						1		PAOZZ
			NONPROTRUDING - 1.50 DIA,								
			Y419.00 (76301)								
	NAS674V4	.	BOLT (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
64	74A586233-1003 @	.	SPACER - BHD CONNECTOR TO FUEL						1	A	XBOOO
			TANK, 1.0 DIA LINE, Y419 (76301)								
65	74A586233-2003	.	SPACER (76301)						1	A	XAOZZ
66	MS21075L4	.	NUT, PLATE						2	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
67	74A586221-2003 @	.	CONNECTOR, TUBE, BULKHEAD,						1	A	XBOZZ
			PROTRUDING - 1 IN REFUEL BYP,								
			TK 2 & 3 Y419 (76301)								
	NAS674V5	.	BOLT (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						2		PAOZZ
68	D-RST156CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.						1		PAOZZ
			SPEC 9M857-156) (REPLACES								
			RST156CD-M9)								
69	74A585728-2003 +	.	CONNECTOR, TUBE, BULKHEAD,						1		PAOZZ
			NONPROTRUDING - 1.00 DIA,								
			Y419.00 (76301) (LEFT SIDE)								
	NAS674V4	.	BOLT (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
70	74A586307-2001	.	BRACKET, BAFFLE - FUEL TANK, Y442.00						2		XBOZZ
			(76301) (LEFT SIDE, RIGHT SIDE)								
71	74A586292-1033	.	SUPPORT - COMPONENTS, TANK FUEL						2		XBDOD
			SYSTEM (76301) (SUPERSEDES								
			74A586292-1003)								
72	MS21209F4-15	.	INSERT						6		PAOZZ
73	74A586429-2047	.	COVER (CAVITY DRAIN) (76301)						1		XBOZZ
	MS20426AD5 #	.	RIVET (AP) (THROUGH ADAPTER INDEX 74)						2		-
	NAS42DD5-6	.	SPACER (AP)						2		PAOZZ
74	74A586377-2003	.	ADAPTER TUBE - CAVITY DRAIN, UPPER,						1		XBOZZ
			TANK NO. 3 (76301)								
	MS20426AD5 #	.	RIVET (AP)						2		-
75	74A586376-2005	.	ADAPTER, TUBE - DRAIN, TANK NO. 3,						1		XBOZZ
			FUEL BAY FLOOR (76301)								
	MS20426AD5 #	.	RIVET (AP)						4		-
76	74A586308-2001	.	BRACKET, BAFFLE - FUEL TANK,						1		XBOZZ
			Y431.000 (76301)								
77	74A586371-1003	.	SUPPORT - TANK FUEL SYS, Y443.4 (76301)						1		XBOOO
			(SUPERSEDES 74A586371-1001)								
	AIC-L-758V3L5	.	PIN-RIVET, THREADED (AP) (06725)						2	*	PAOZZ
			(MCDONNELL SPEC ST3M758V3L5)								
	HLT311-6-5	.	PIN-RIVET, THREADED (AP) (73197)						2	*	PAOZZ
			(MCDONNELL SPEC ST3M758V3L5)								
	HL570-6MC	.	COLLAR - PIN, RIVET, THREADED (AP)						2		PAOZZ
			(73197) (MCDONNELL SPEC								
			ST3M525N3ME)								
78	74A586292-1033	.	SUPPORT - COMPONENTS, TANK FUEL						1	E	XBDOD
			SYSTEM (76301) (SUPERSEDES								
			74A586292-1003)								
	74R585020-1007	.	SUPPORT (76301)						1	L	XBOZZ
	HLT151TB-6-4	.	PIN - RIVET, THREADED (AP) (73197)						2	L*	PAOZZ
			(MCDONNELL SPEC ST3M812-3-4)								
	AIC-L-762-3-4	.	SEE ABOVE (06725)						2	L*	PAOZZ

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 15)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	MA4812-3-4	.	SEE ABOVE (58845)	.....					2	L*	PAOZZ
	HLT151DL-6-4	.	SEE ABOVE (73197)	.....					2	L*	PAOZZ
	HL87DU6	.	COLLAR, PIN - RIVET, THREADED (73197)	.....					2	L	PAOZZ
	74A5B6292-1045	.	SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1017)	.....					1	F	XBDOD
79	74A586292-1013	.	SUPPORT - COMPONENTS TANK FUEL SYSTEM (76301)	.....					1	E	XBDOD
	74R585020-1007	.	SUPPORT (76301)	.....					1	L	XBDOD
	74A586292-1049	.	SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1021)	.....					1	F	XBDOD
80	MS21209F4-20	.	INSERT	.....					1	E	PAOZZ
	MS21209F4-15	.	INSERT	.....					1	F	PAOZZ
81	74A586308-2001	.	BRACKET, BAFFLE - FUEL TANK, Y431.00 (76301)	.....					1		XBOZZ
82	74A586292-1053	.	SUPPORT - COMPONENT, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A5B6592-1027)	.....					1	E	XBDOD
	74R585020-1001	.	SUPPORT (76301)	.....					1	L	XBDOD
83	74A586292-1033	.	SUPPORT - COMPONENTS, TANK FUEL SYSTEM (76301) (SUPERSEDES 74A586292-1003)	.....					2	E	XBDOD
84	74A586311-1003	.	SUPPORT FUEL LINE - FUSELAGE, CTR SECTION, LWR (76301) (SUPERSEDES 74A586311-1001)	.....					1		XBOOO
	NAS1399D5A #	.	RIVET (AP)	.....					2		-
85	MS21209F1-20	.	INSERT	.....					1		PAOZZ
86	HL644YE-6-4	.	PIN-RIVET, THREADED (73197) (MCDONNELL SPEC ST3M457C3-4)	.....					8	*	PAOZZ
	AIC-L-644-6-4	.	SEE ABOVE (06725)	.....					8	*	PAOZZ
	MA4457-3-4	.	SEE ABOVE (58845)	.....					8	*	PAOZZ
	HL570-6MC	.	COLLAR - PIN, RIVET, THREADED (73197) (MCDONNELL SPEC ST3M525N3ME) (USE WITH INDEX 60)	.....					8		PAOZZ
87	74A586423-2003 @	.	CONNECTOR, TUBE, BULKHEAD, PROTRUDING - FUEL RCVY, VENT TK, Y453 - Y557.5 (76301)	.....					1	A	XBOZZ
	NAS664V5HT	.	SCREW (AP)	.....					2		PAOZZ
88	74A586631-2001 @	.	GASKET, PAPER - BKD CONN IN FUEL SYSTEM (76301)	.....					1	A	PAOZZ
89	74A586359-1001 @	.	SPACER - BHD CONN TO FUEL TK, SCAV, 1.00 DIA LINE, Y453 (76301)	.....					1	A	XBOOO
90	74A586359-2001	.	SPACER (76301)	.....					1	A	XAOZZ
91	MS21075L4	.	NUT, PLATE	.....					2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
92	74A585724-2003 +	.	CONNECTOR, TUBE, BULKHEAD, NONPROTRUDING - 1.0 DIA, Y453.000 & Y557.50 (76301)	.....					1		PAOZZ
	NAS664V4HT	.	SCREW (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
	NAS1291C4M	.	NUT (AP)	.....					2		PAOZZ
93	D-RST156CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL SPEC 9M857-156) (REPLACES RST156CD-M9)	.....					1		PAOZZ
94	74A586209-2001 @	.	CONNECTOR, TUBE, BULKHEAD, PROTRUDING - 2.50 IN. VENT, Y383 (76301)	.....					1	A	XBOZZ
	NAS664V5HT	.	SCREW (AP)	.....					4		PAOZZ
95	74A586631-2013 @	.	GASKET, PAPER - BKD CONN IN FUEL SYSTEM (76301)	.....					1	A	PAOZZ

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 16)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
96	74A586231-1001 @	.	SPACER - BHD CONNECTOR TO VENT,.....						1	A	XBOOO
			2.50 DIA, Y383 (76301)								
97	74A586231-2001	.	SPACER (76301)						1	A	XAOZZ
98	MS21075L4	.	NUT, PLATE						4	A	PAOZZ
	NS20426AD3 #	.	RIVET (AP)						2		-
99	74A585701-2001 +	.	CONNECTOR, TUBE, BULKHEAD,.....						1		PAOZZ
			NONPROTRUDING - 2.50 DIA,								
			REFUEL/DEFUEL, VENT (76301)								
	NAS664V5HT	.	SCREW (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
100	D-RST306CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.....						1		PAOZZ
			SPEC 9M857-306) (REPLACES								
			RST306CD-M9)								
101	74A586310-1001	.	BRACKET, BAFFLE - FUEL TANK,						2	G	XBOOO
			Y453.00 (76301)								
	MS20470DD6 #	.	RIVET (AP)						2		-
	74A586320-2001	.	SHIM (USE WITH INDEX 101)						1		XBOZZ
102	NS21209F5-15	.	INSERT						2		PAOZZ
103	74A586320-2005	.	SHIM (76301)						1	H	XBOZZ
104	74A586310-1003	.	BRACKET, BAFFLE - FUEL TANK,						1	H	XBOOO
			Y453.00 (76301) (LEFT SIDE)								
	74A586310-1004	.	BRACKET, BAFFLE - FUEL TANK,						1	H	XBOOO
			Y453.00 (76301) (RIGHT SIDE)								
	MS20470DD6 #	.	RIVET (AP)						4		-
105	74A586320-2001	.	SHIM (76301)						AR	H	XBOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

+ ITEMS WITH THIS SYMBOL WHEN USED
TOGETHER REPLACE ITEMS WITH SYMBOLS
@. RETAINERS AND NON-PROTRUDING TYPE
BULKHEAD CONNECTORS ARE REPLACEMENT
PARTS FOR NUTS AND PROTRUDING TYPE
BULKHEAD CONNECTORS, REF WP024 01
AND WP013 02.

@ ITEMS WITH THIS SYMBOL WHEN REMOVED
TOGETHER MAY BE REPLACED BY ITEMS
WITH SYMBOL +.

CODE	USABLE ON	MODEL
A	161353 THRU 161715	F/A-18A/B
B	161716 THRU 161761	F/A-18A/B
C	DELETED	
D	DELETED	

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 17)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		E				161353 THRU 161745 BEFORE F/A-18 AFC 18		F/A-18A/B			
		F				161746 & UP		F/A-18A/B			
		G				161353 THRU 161704 BEFORE F/A-18 AFC 53		F/A-18A/B			
		H				161705 & UP; ALSO 161353 THRU 161704 AFTER F/A-18 AFC 53		F/A-18A/B			
		J				161353 THRU 163128		F/A-18A/B			
		K				161353 THRU 161715 BEFORE F/A-18 AFC 53		F/A-18A/B			
		L				161353 THRU 161745 AFTER F/A-18 AFC 18		F/A-18A/B			
		M				161924 & UP; ALSO 161353 THRU 161715 AFTER F/A-18 AFC 18		F/A-18A/B			
		N				DELETED					
		P				161716 & UP, ALSO 161353 THRU 161715 AFTER F/A-18 AFC 53		F/A-18A/B			

Figure 1. No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 18)

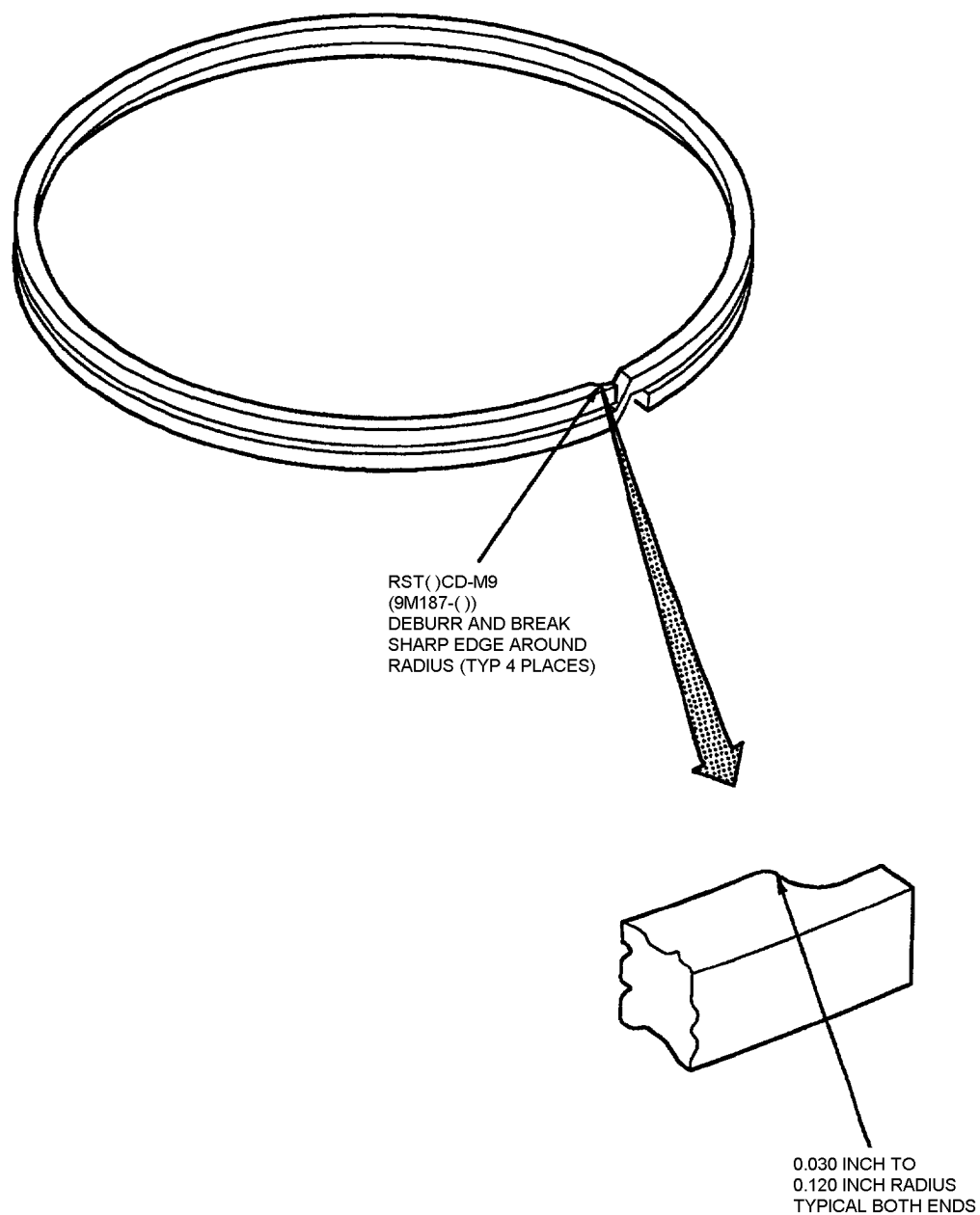


Figure 2. Retaining Ring RST()CD-M9

ORGANIZATIONAL MAINTENANCE
SYSTEM MAINTENANCE WITH IPB
NO. 4 FUEL TANK CAVITY BULKHEAD FITTINGS AND SUPPORTS
FUEL STORAGE SYSTEM

Reference Material

Plane Captain Manual	A1-F18AC-PCM-000
Line Maintenance Access Doors	A1-F18AC-LMM-010
Fuel System	WP013 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 02
Protruding Type Bulkhead Connector Replacement	WP026 00
Removal - No. 4 Fuel Tank	WP027 00
Installation - No. 4 Fuel Tank	NAVAIR 01-1A-8
Structural Hardware	A1-F18AC-SRM-200
Structure Repair	A1-F18AC-LMM-000
Line Maintenance Procedures	A1-F18AC-PIM-00
Piping Installation Manual	A1-F18AC-PIM-000
Center Fuselage, Center Tunnel, Door 47 Left, Aft	WP074 00

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 IAFC 073	25 Dec 86	Modification of Fuel System, Wing Root, Dry Bay Fuel Tubes (ECP MDA-F/A-18-00235)	1 Mar 86	
F/A-18 AFC 43	30 Sep 86	Replacement of 7M404/7M550 Fuel Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 86	-
F18 AFC 21	-	Addition of Fuel Air Heat Exchanger (ECP MDA-F/A-18-00033)	15 Jul 86	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
NF20-1	Fuel Cell Breathing and Ventilating System

Materials Required

Specification or Part Number	Nomenclature
-	Rubber Gloves
-	Goggles
-	Brush (1/4 to 1/2 Inch, Paint Type)
-	Plastic or Wooden Scraper
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-C-85054, Type 1 (CAGE 80244)	Corrosion Prevention Compound
910X357 (CAGE 97460)	Converter
519X303 (CAGE 97460)	Primer
020X324 (CAGE 97460)	Thinner, Epoxy
VV-P-236 (CAGE 81348)	Petrolatum, Technical

1. GENERAL INSTALLATION REQUIREMENTS.

a. If installing rings, part number RST()CD-M9, do substeps below:



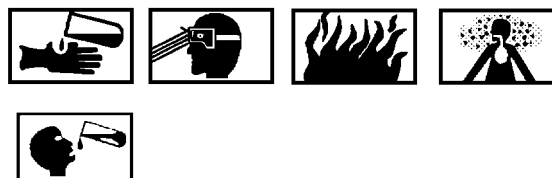
To prevent scoring of bulkhead connector, retaining rings must be deburred before installation.

(1) Deburr edges of ring (figure 2).

(2) Install ring (paragraph 3).

b. Make sure mating surfaces of fitting and structure are clean.

c. If fitting is riveted in position, touch-up any bare metal on fitting (except packing sealing surfaces or electrical bonding joints) with mixed primer. Mix primer per substeps below.



Converter, 910X357

12



Primer, Epoxy 519X303

13



Thinner, Epoxy Primer, 020X324

14

NOTE

Add converter to primer; never add primer to converter. Thoroughly shake primer before mixing.

Mixed primer requires a 1 hour "sweat-in" period before use. Observe a 24 hour pot life for mixed primer.

(1) Add one volume 910X357 converter to three volumes 519X303 primer and mix thoroughly.

(2) Thin mixed primer with one volume 020X324 thinner and mix thoroughly.

d. Fillet seal all cavity fittings that do not have gaskets (A1-F18AC-SRM-200).

e. If fitting is bolted in position, do substeps below:

- (1) Clean fitting with clean cheesecloth.



Corrosion Prevention Compound, MIL-C-85054, Type 1

15

(2) Hold corrosion prevention compound 12 to 18 inches from fitting and spray a thin, uniform coat over the outside of the fitting.

- (3) Wait 1/2 hour then apply a second coat.

2. REMOVAL.



Improper procedures could damage bulkhead connector which could lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

It may be possible to remove some cavity components, depending on location and type of attachment, without removing fuel tank.

- a. Remove no. 4 fuel tank (WP026 00), if required.
- b. Remove part per applicable substeps (see figure 1):

- (1) Adapter (1, sheet 1)

- (a) Remove adapter and attaching parts.

- (2) Adapters (67, sheet 6)

- (a) Open door 42 (A1-F18AC-LMM-010).

(b) Remove adapter attaching rivets per NAVAIR 01-1A-8.

- (c) Remove adapter from inside cavity.

- (3) Adapter (94, sheet 12)

- (a) Remove coupling (93) and packings (92).

- (b) Remove adapter (94) and attaching parts.

- (4) Adapter (89, sheet 12)

- (a) Open door 47 (A1-F18AC-LMM-010).

(b) Remove drain tube attached to adapter (89) (WP074 00, A1-F18AC-PIM-000).

(c) Remove attaching rivets per NAVAIR 01-1A-8, from adapter.

- (d) Remove adapter.

- (5) Adapters (129 or 137, sheet 18)

(a) Open door 53 L or R as applicable (A1-F18AC-LMM-010).

(b) Remove bolts and washers (131 and 132) or (131 and 139).

- (c) Remove adapter from inside cavity.

(6) Connectors (protruding) (8, 15, 25, 33, 40, 47, 58, 64, 69, 75, 105, 143, 150 and 156)

(a) Remove connector, gasket, spacer and attaching parts.

(7) Connectors (nonprotruding) (18, 28, 35, 42, 51, 60, 66, 73, 79, 108, 148, 154, 160)

(a) Remove connector, ring and attaching parts.

- (8) Connectors (113, 121 or 125, sheet 17)

(a) Open door 53 L or R as applicable (A1-F18AC-LMM-010).

(b) Remove bolts and washers (115 and 119) or (127 and 128).

- (c) Remove coupling (118) per WP013 00.

- (d) Remove connector from inside cavity.

(9) Connectors (protruding) (183, 186, 189, 192, 195, 197 and 205, sheets 26 and 27)

(a) Open door 41 L or R as applicable (A1-F18AC-LMM-010).

(b) Disconnect wing interconnect tube (detail AQ) and transducer (173), or remove coupling (detail AR) per WP013 00, as applicable.

(c) Remove connector, gasket and attaching parts from inside cavity.

(10) Connectors (nonprotruding) (184, 187, 190, 193, 196 and 200, sheets 26 and 27)

(a) Open door 41 L or R as applicable (A1-F18AC-LMM-010).

(b) Disconnect wing interconnect tube (detail AQ) and transducer (173) or remove coupling (detail AR) per WP013 00, as applicable.

(c) Remove connector and attaching parts.

(11) Supports (2, 19, 68, 81, 83, 95, 98, 109, 110, 111, 112 and 141)

(a) Remove support and attaching parts. If attached with rivets remove per NAVAIR 01-1A-8.

(12) Deleted

(13) Cover (90, sheet 12)

(a) Open door 47 (A1-F18AC-LMM-010).

(b) Remove cavity drain tube under cover (90) (WP074 00, A1-F18AC-PIM-000).

(c) Remove cover attaching rivets per NAVAIR 01-1A-8.

(d) Remove cover.

(14) Mounts (97, sheet 13)

(a) Remove attaching nuts and washers through applicable main landing gear wheelwell.

(b) Remove mount and bolts from inside cavity.

3. INSTALLATION.



Improper procedures could damage bulkhead connector which could lead to replacement of many parts.

NOTE

When ordering parts for bulkhead connectors refer to WP013 02.

Make sure corrosion prevention of fasteners and attaching parts is done during installation (A1-F18AC-LMM-000).

a. Install part per applicable substep below (see figure 1):

(1) Adapter (1, sheet 1)

(a) Prepare mating surfaces of adapter and structure for electrical bond (A1-F18AC-LMM-000).

(b) Install adapter and attaching parts.

(c) Seal periphery of electrical bond (A1-F18AC-LMM-000).

(2) Adapters (67, sheet 6)

(a) Position adapter with FWD facing forward and install rivets per NAVAIR 01-1A-8 in cavity. Buck rivets through door 42.

(b) Close door 42 (A1-F18AC-LMM-010).

(3) Adapter (94, sheet 12)

(a) Install adapter (94) and attaching parts.

(b) Install lubricated packings (92) and inspect and install coupling (93) per WP013 00. If applicable, lockwire coupling per WP013 00. (QA)

(c) After installing fuel tank, inspect couplings (93) for fuel leaks by doing fuel leak test (A1-F18AC-LMM-000).

(4) Adapter (89, sheet 12)

(a) Install adapter and buck rivets through door 47 per NAVAIR 01-1A-8.

(b) Install drain tube.

(c) Close door 47 (A1-F18AC-LMM-010).

(5) Adapters (129 or 137, sheet 18)

(a) Prepare mating surfaces of adapter and structure for electrical bonding (A1-F18AC-LMM-000).



Petrolatum, Technical, VV-P-236

1

(b) Lubricate new packing (101) with petrolatum and install.

(c) Install adapter in cavity and bolts (131 and 132) or (131 and 139) and washers through door 53L/R as applicable.

(d) Seal periphery of electrical bond (A1-F18AC-LMM-000).

(e) Close door 53L/R (A1-F18AC-LMM-010).

(6) Connectors (protruding) (8, 15, 25, 33, 40, 47, 58, 64, 69, 75, 105, 143, 150 and 156)

(a) Install connector, gasket, spacer and attaching parts.

(7) Prepare mating surfaces of bulkhead and connectors (42 and 51) for electrical bond (A1-F18AC-LMM-000).

(8) Connector (nonprotruding) (18, 28, 35, 42, 51, 60, 66, 73, 79, 108, 148, 154, 160).

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks can occur resulting in fire hazard.



To prevent scoring of bulkhead connector, retaining rings (RST()CD-M9) must be deburred before installation (paragraph 1).

(a) Inspect and replace damaged or missing retaining rings.

(b) Install connector, ring and attaching parts.

(9) Connectors (113, 121 or 125, sheet 17)

(10) Seal periphery of electrical bond (A1-F18AC-LMM-000).

(a) Prepare mating surfaces of connector and structure for electrical bonding (A1-F18AC-LMM-000).

(b) Lubricate and install new packings (116).

(c) Inspect, and install coupling (118) per WP013 00. If applicable, lockwire coupling (118) per WP013 00. (QA)

(d) Install connector through cavity.

(e) Install bolts and washers (115 and 119) or (127 and 128) through door 53L/R.

(f) Seal periphery of electrical bond (A1-F18AC-LMM-000).

(g) After installing fuel tank, inspect tube (117 or 123) in area of coupling (118) for fuel leaks by doing fuel leak test (A1-F18AC-LMM-000).

(h) Close door 53L/R (A1-F18AC-LMM-010).

(11) On 163129 AND UP, prepare mating surfaces of bulkhead, spacer (203, sheet 27) and connector (205) for electrical bond (A1-F18AC-LMM-000).

(12) Connectors (protruding) (183, 186, 189, 192, 195, 197, 205, sheets 26 and 27).

(a) Prepare bolts that attach above connectors for electrical bond (A1-F18AC-LMM-000).

(b) Install connector, gasket and attaching parts.

(c) Lubricate and install new packing, as required (detail AR).

(d) Connect wing interconnect tube (detail AQ) and transducer (173), or inspect, and install coupling, (164 or 170) (detail AR) per WP013 00. If applicable, lockwire coupling per WP013 00. (QA)

(e) After installing fuel tank, inspect tubes (162 and 167) for fuel leaks by refueling aircraft per A1-F18AC-PCM-000.

(f) After installing fuel tank, inspect tubes (163, 165 and 169) and transducer (173) for fuel leaks by doing fuel leak test (A1-F18AC-LMM-000).

(g) Close door 41 L or R as applicable (A1-F18AC-LMM-010).

(13) Connectors (nonprotruding) (184, 187, 190, 193, 196 and 200, sheets 25, 26 and 27)

(a) Prepare bolts that attach above connectors for electrical bond (A1-F18AC-LMM-000).

(b) Install connector, ring and attaching parts.

(c) Lubricate and install new packings, as required (detail AR).

(d) Connect wing interconnect tube (detail AQ) and transducer (173), or inspect and install coupling (detail AR, AS or AT) per WP013 00. If applicable, lockwire coupling per WP013 00. (QA)



To prevent possible fuel leaks, make sure spacers are installed, coupling nuts are bottomed out and tubes are not rotated.

(e) On 162853 THRU 163145 also 161353 THRU 162852 after F/A-18 IAFC 073, install spacers (176 or 180, detail AS or AT).

(f) Position tubes (166 or 167) with wing interface connector.

(g) Restrain outboard tubes (177 or 181) from rotating while tightening nuts (174 or 178). Make sure that outboard tubes are not cocked within the bore of the wing fitting.

(h) Use a rag over nut, tighten coupling nut (174 or 178) hand tight until it bottoms out.



To prevent possible fuel leaks, make sure coupling nuts are bottomed out and tubes are not rotated.

(i) Restrain outboard tubes that attach to tubes (169 and 171) from rotating when tightening coupling nuts. Use a rag over tubes (169 and 171) nuts (174 and 178) and tighten handtight until they bottom out.

(j) After installing fuel tank inspect tubes (162 and 167) for leaks by refueling aircraft per A1-F18AC-PCM-000.

(k) After installing fuel tank inspect tubes (163, 165 and 169) and transducer (173) for fuel leak test (A1-F18AC-LMM-000).

(l) Close door 41 L or R as applicable (A1-F18AC-LMM-010).

(14) Supports (2, 19, 68, 81, 83, 95, 98, 109, 110, 111, 112 and 141)

(a) Prepare mating surfaces of support (19) and bulkhead for electrical bond.

(b) Install support and attaching parts. If applicable, install rivets per NAVAIR 01-1A-08.

(15) Cover (90, sheet 12)

(a) Install cover and attaching parts. Install rivets through door 47 per NAVAIR 01-1A-8.

(b) Install cavity drain tube under cover (90) (WP074 00, A1-F18AC-PIM-000).

(c) Close door 47 (A1-F18AC-LMM-010) .

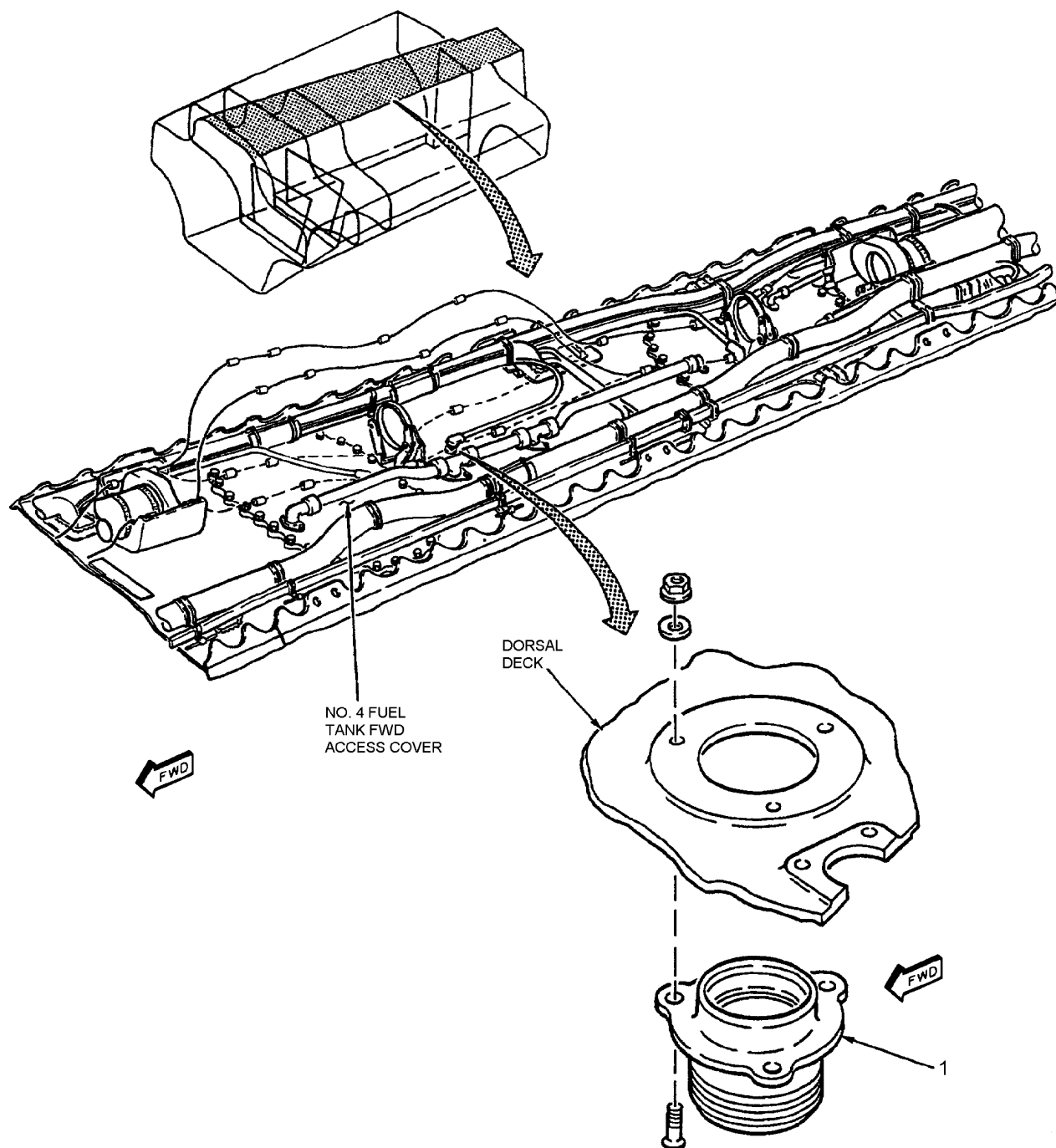
(16) Mounts (97, sheets 12 and 13)

(a) Install mount and attaching parts through applicable main landing gear wheelwell.

b. Install no. 4 fuel tank (WP027 00).

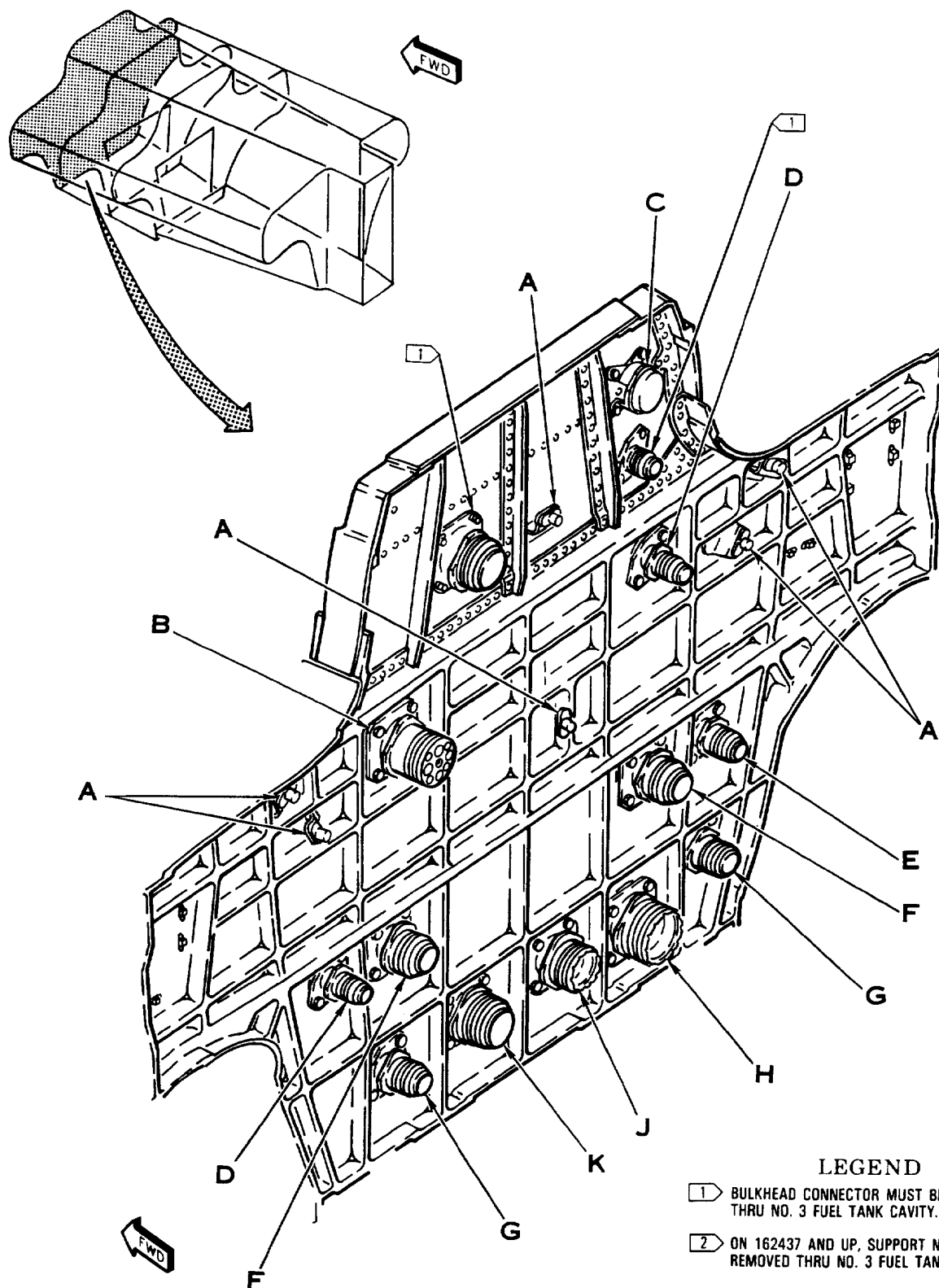
4. ILLUSTRATED PARTS BREAKDOWN.

5. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



04300101

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 1)



Y453.00

04300102

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 2)

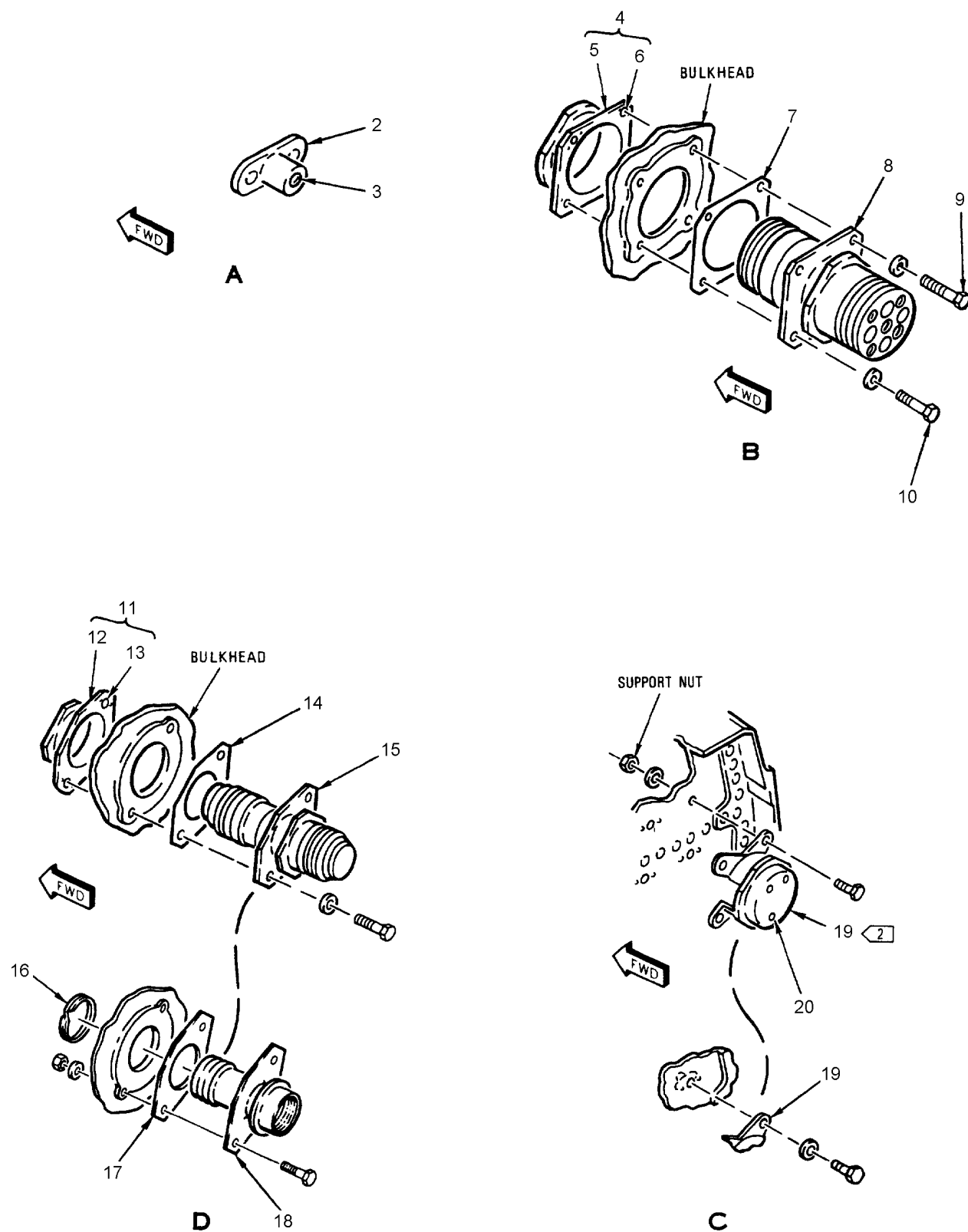


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 3)

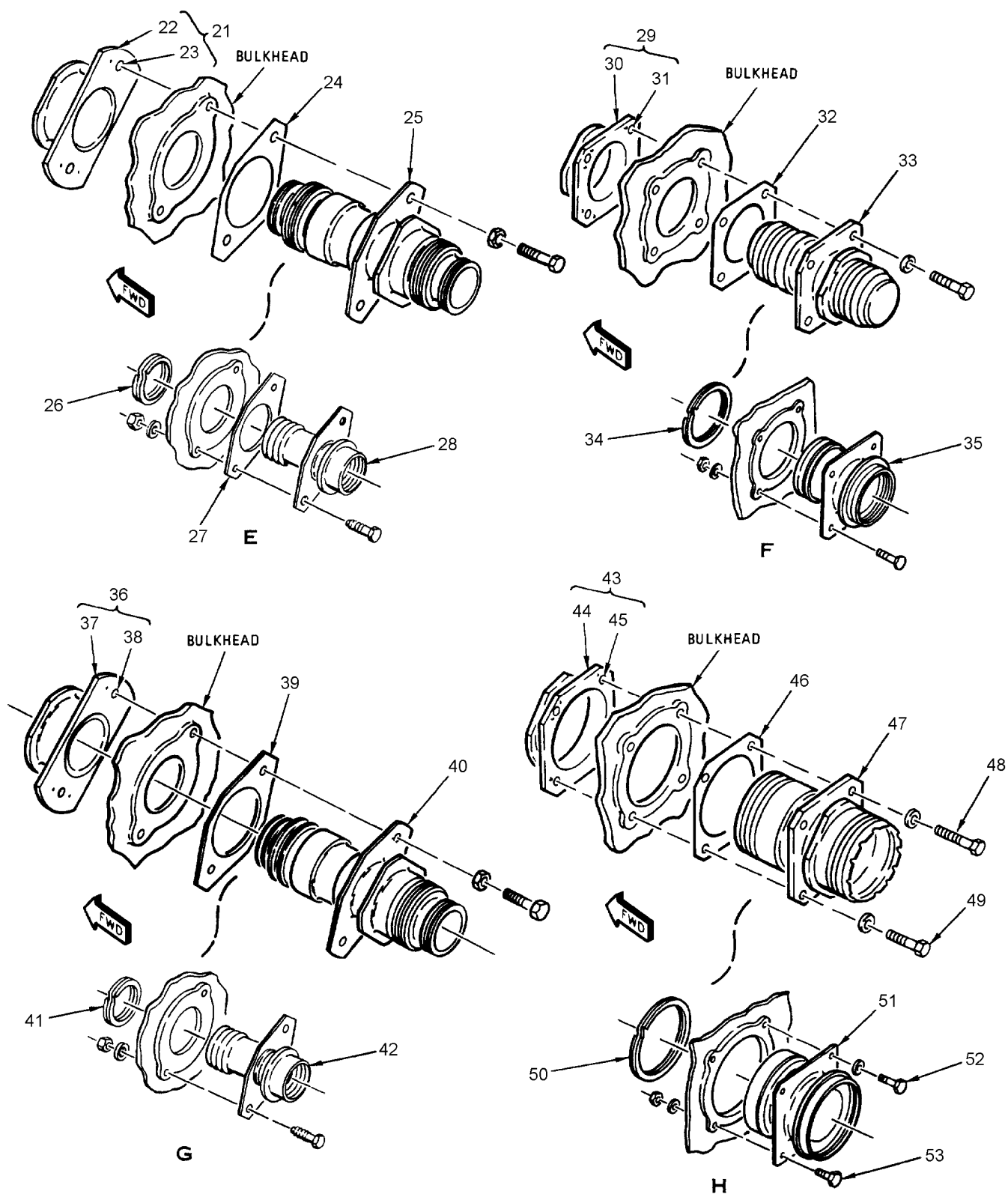
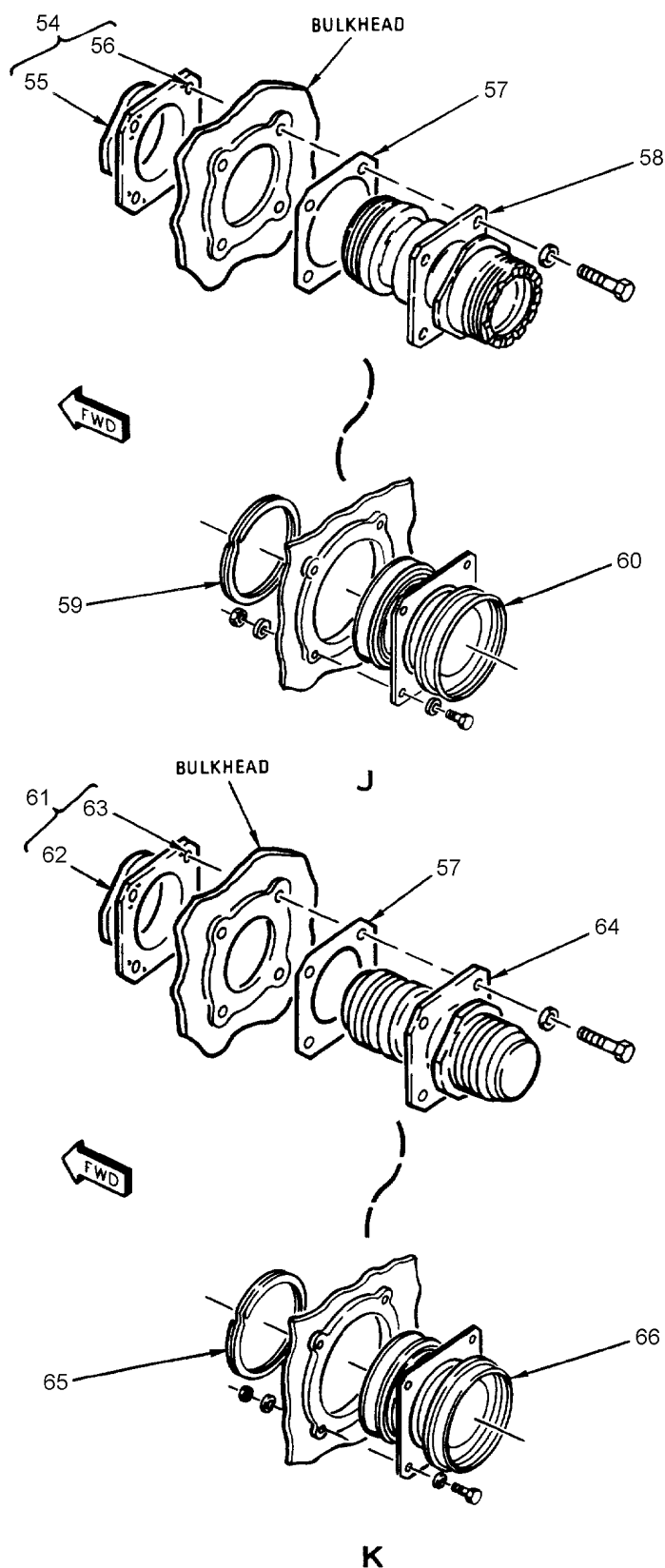
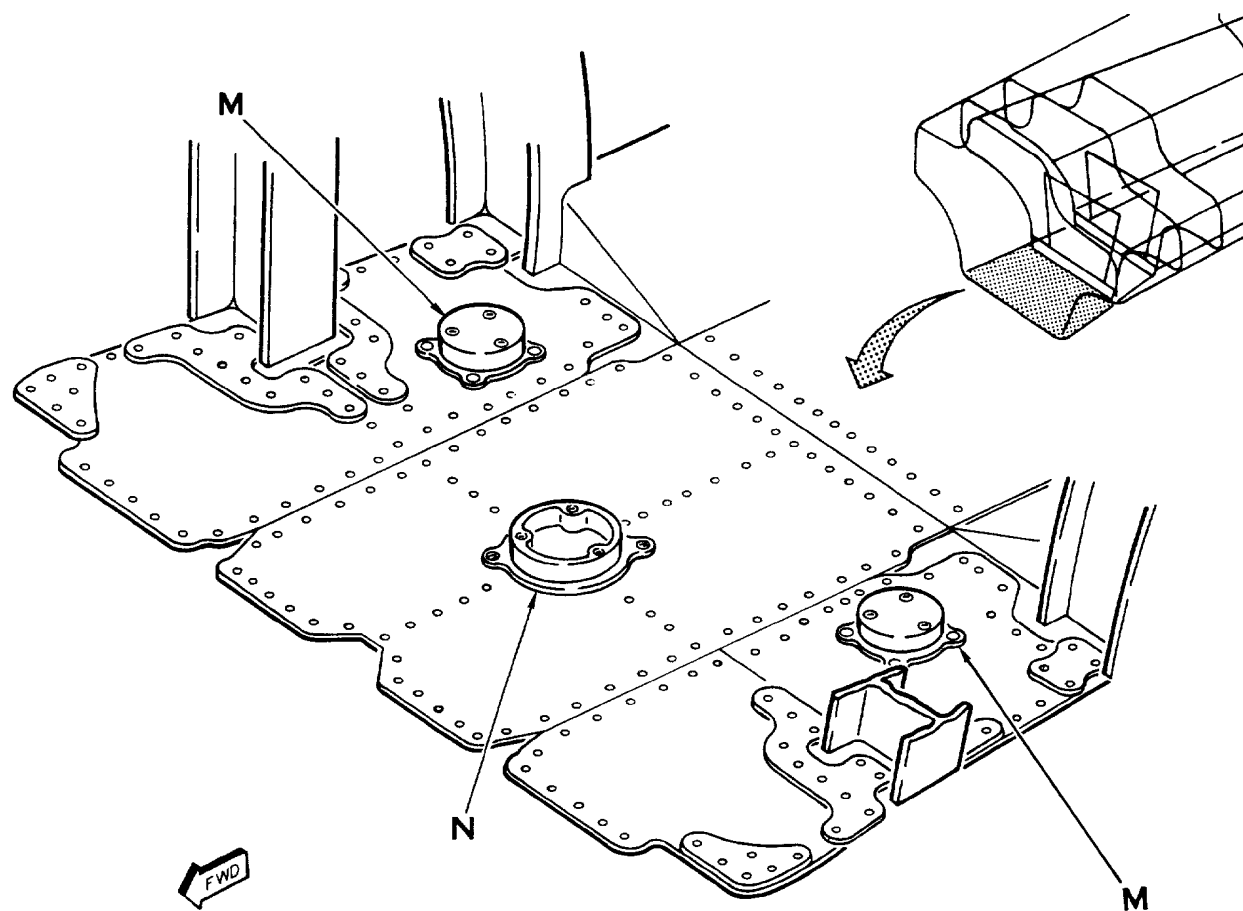


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 4)

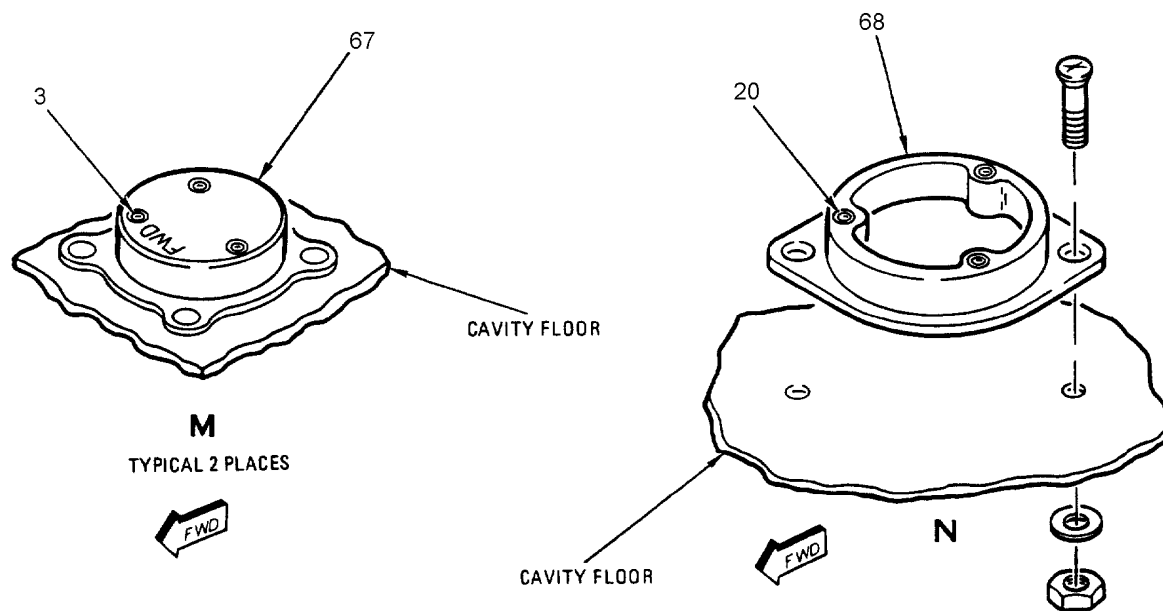


04300105

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 5)

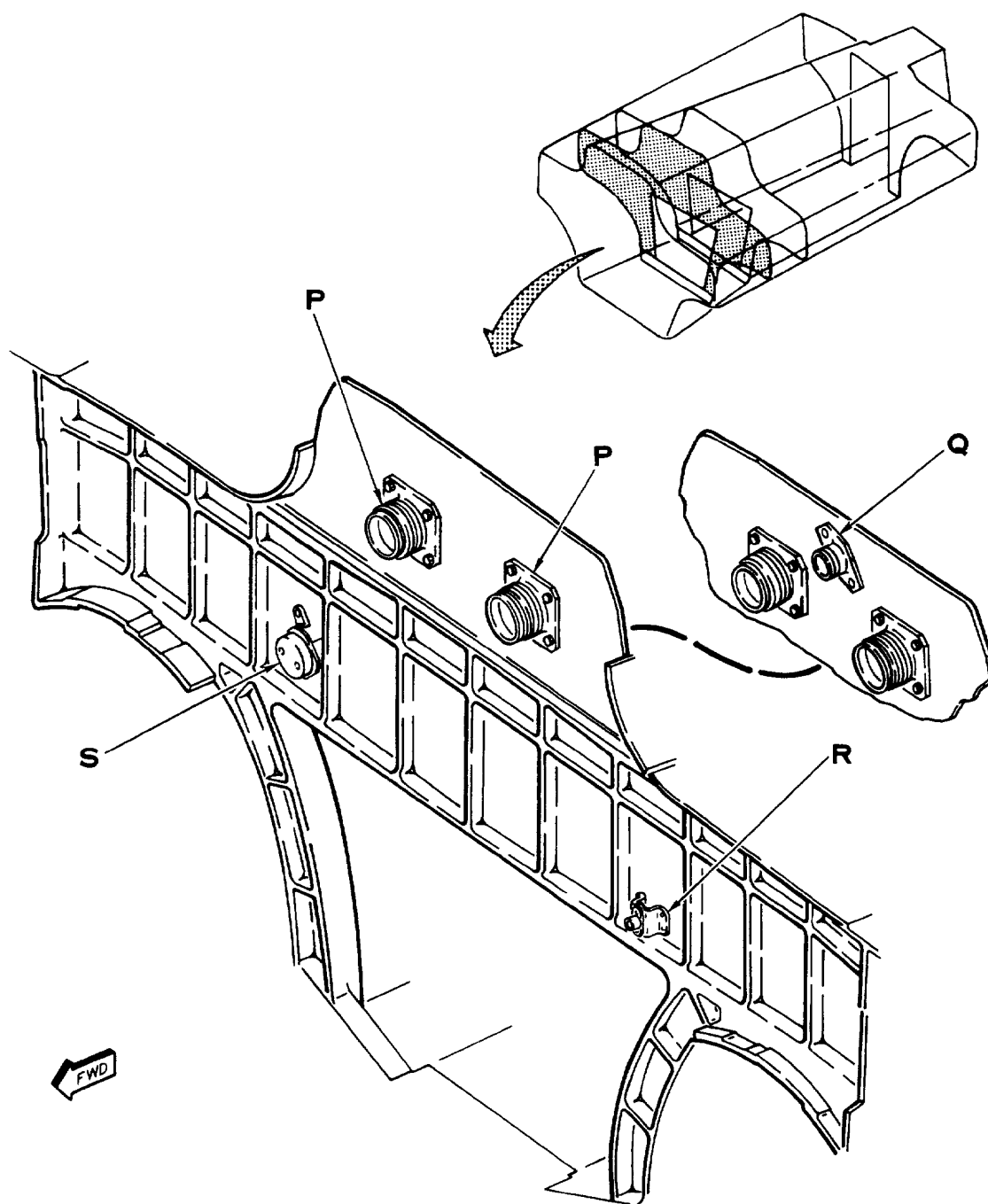


FWD SECTION OF CAVITY FLOOR
Y453.00 THRU Y470.50



04300106

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 6)



Y470.50

04300107

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 7)

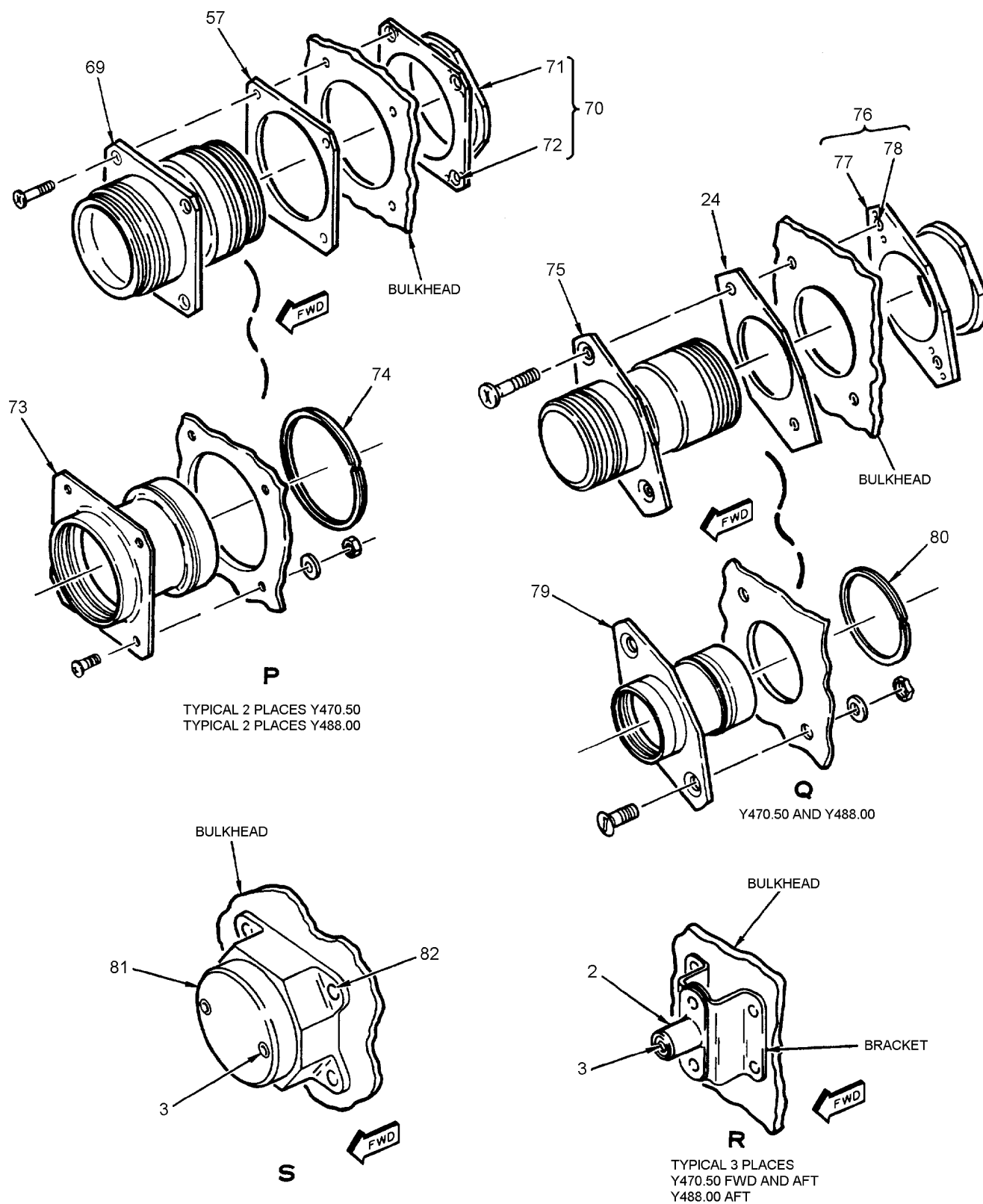


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 8)

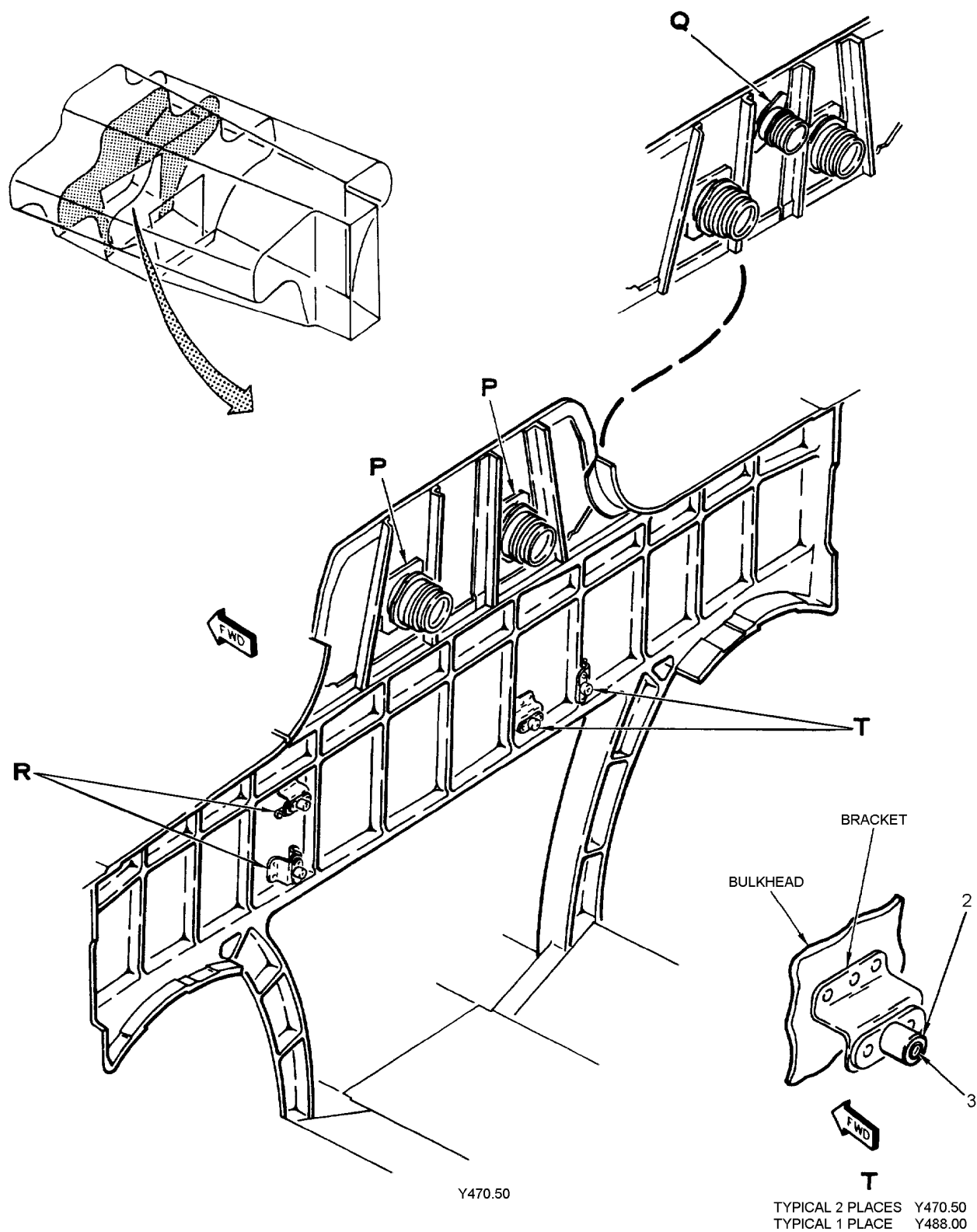
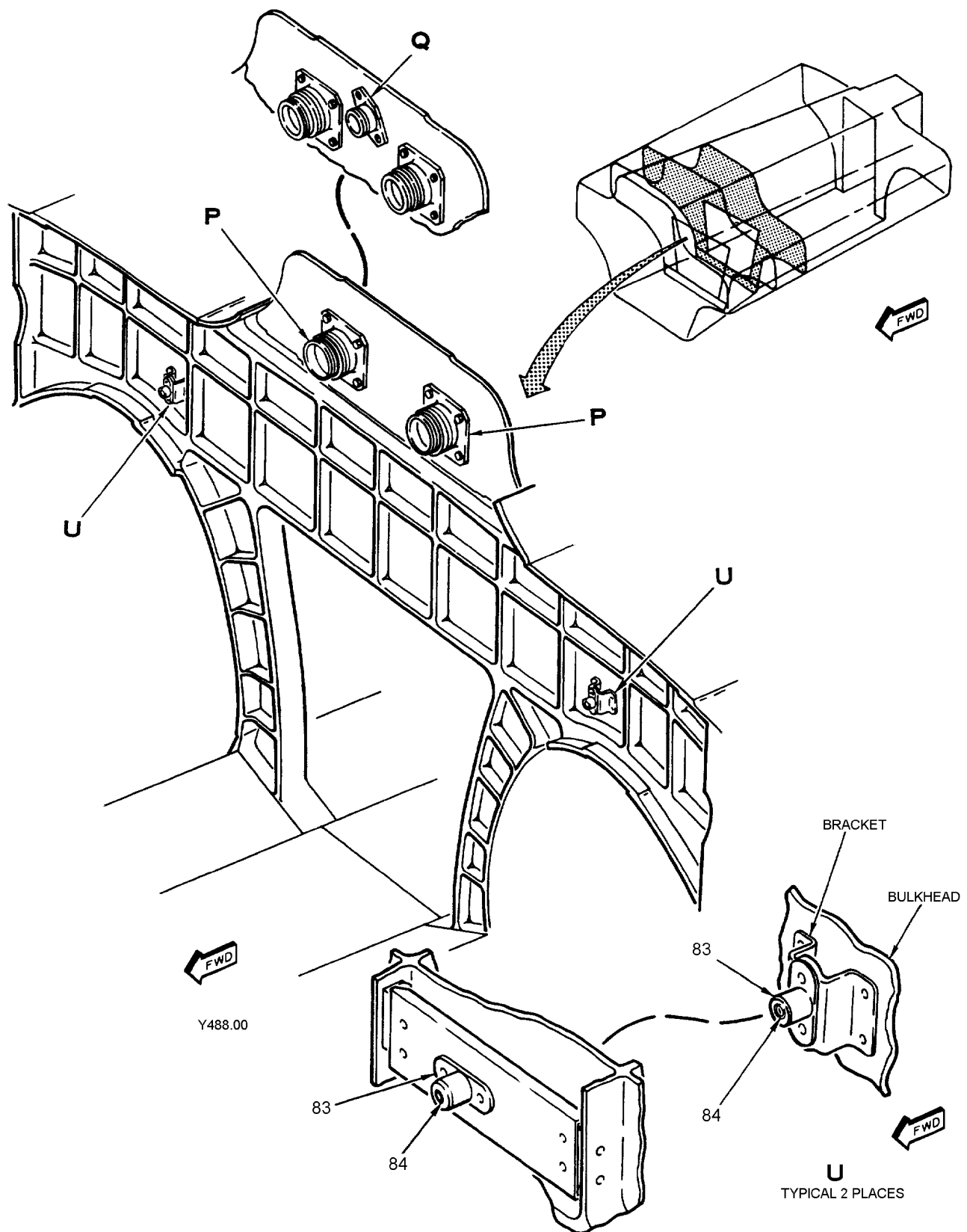


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 9)



04300110

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 10)

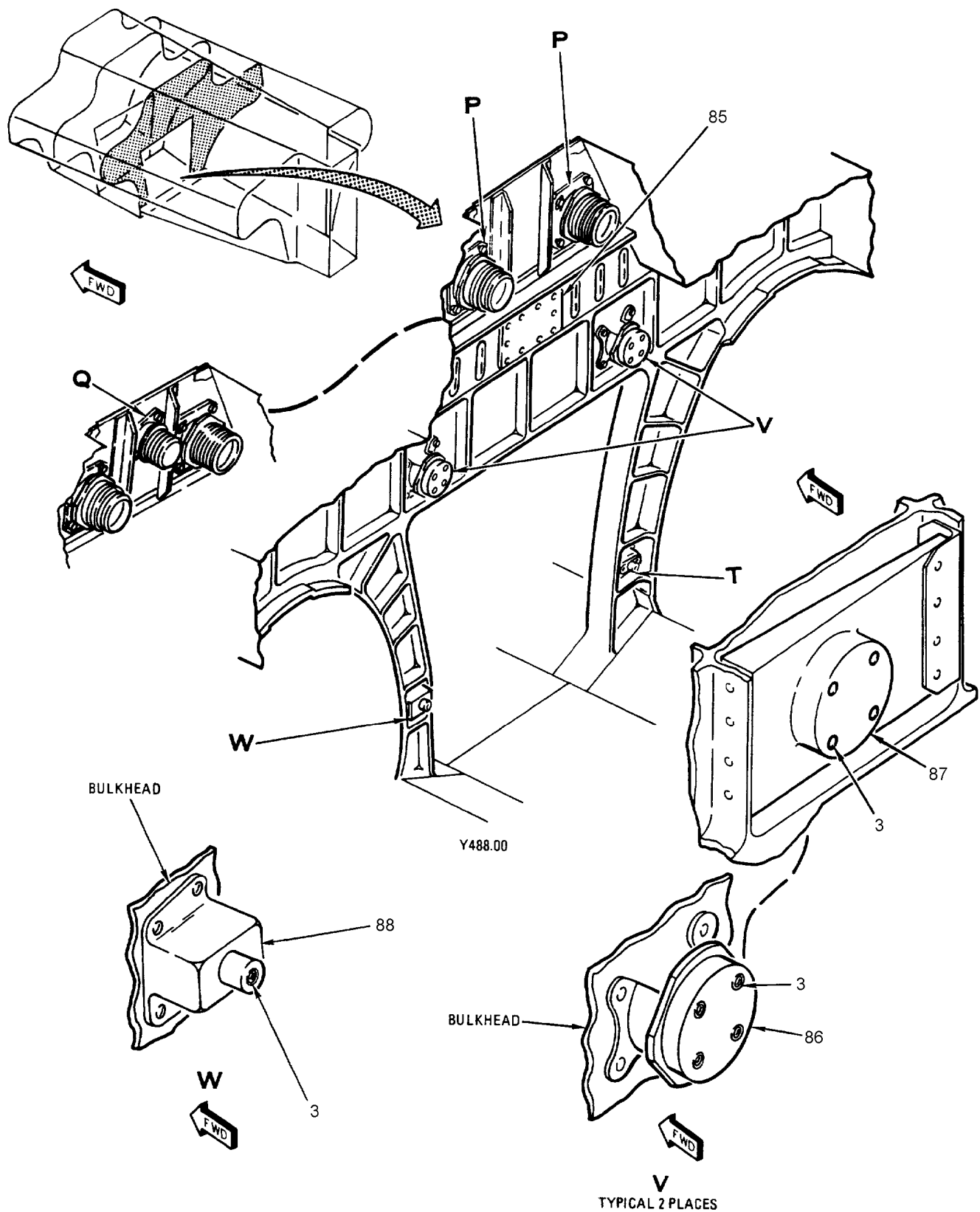


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 11)

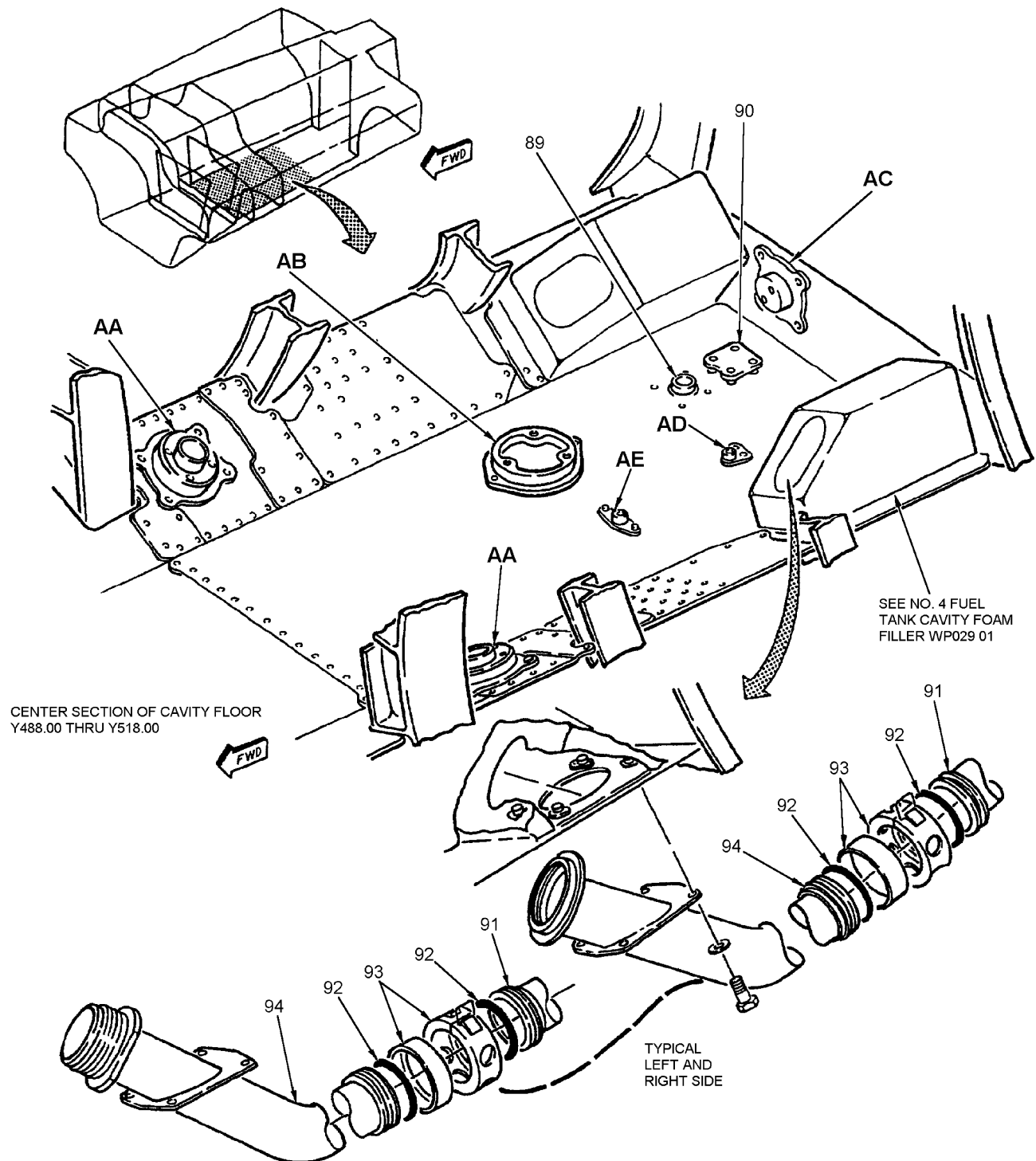
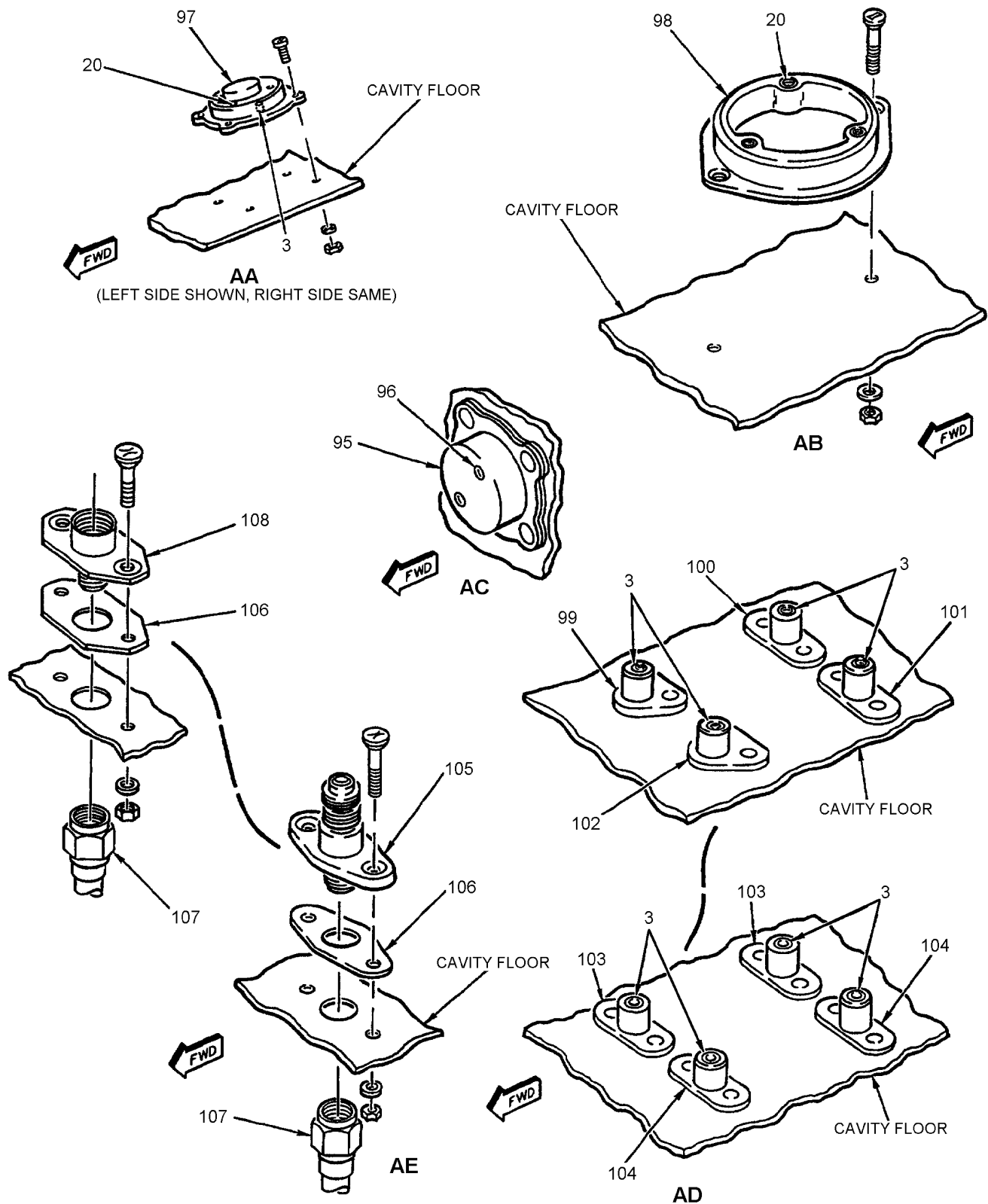


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 12)



04300113

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 13)

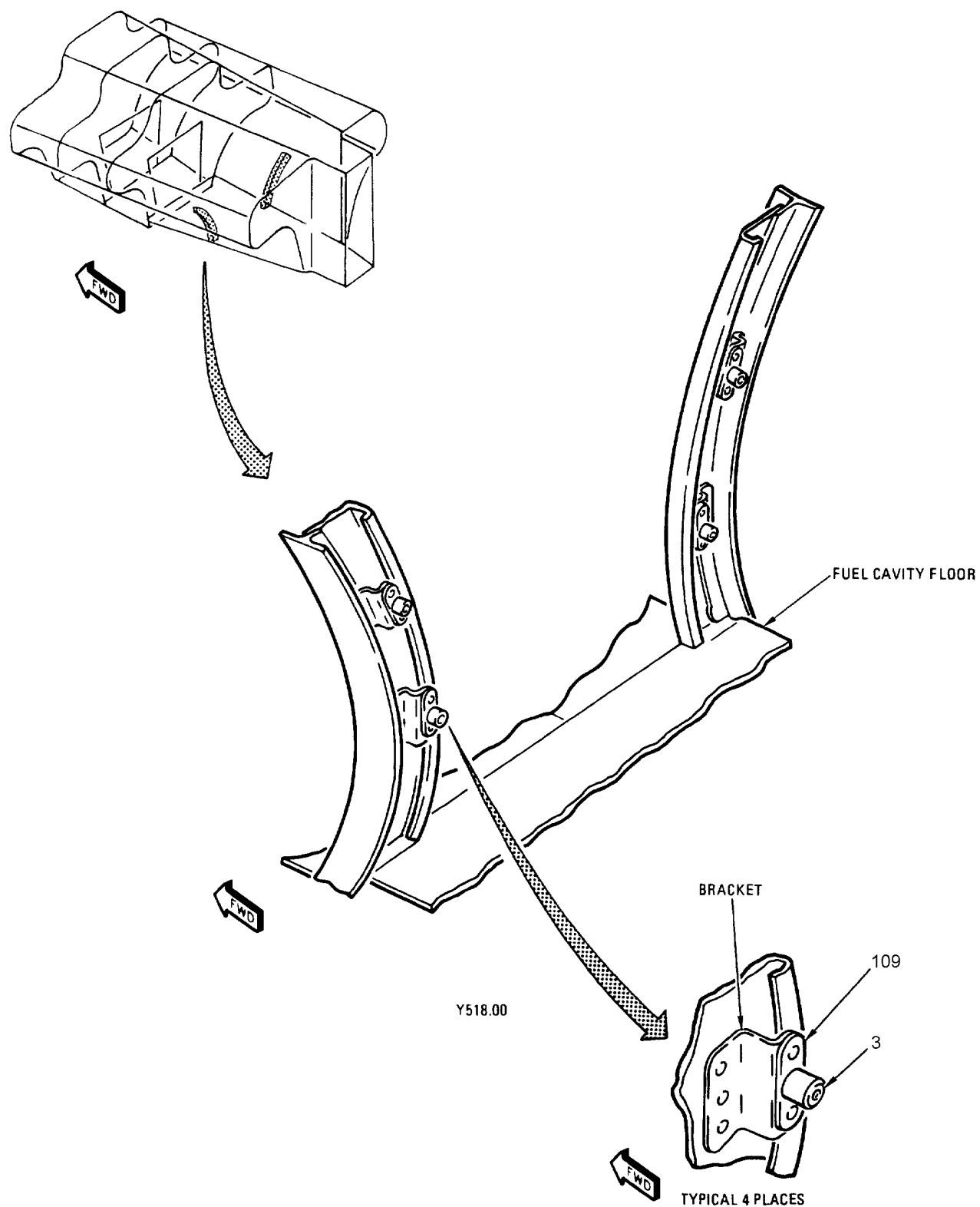


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 14)

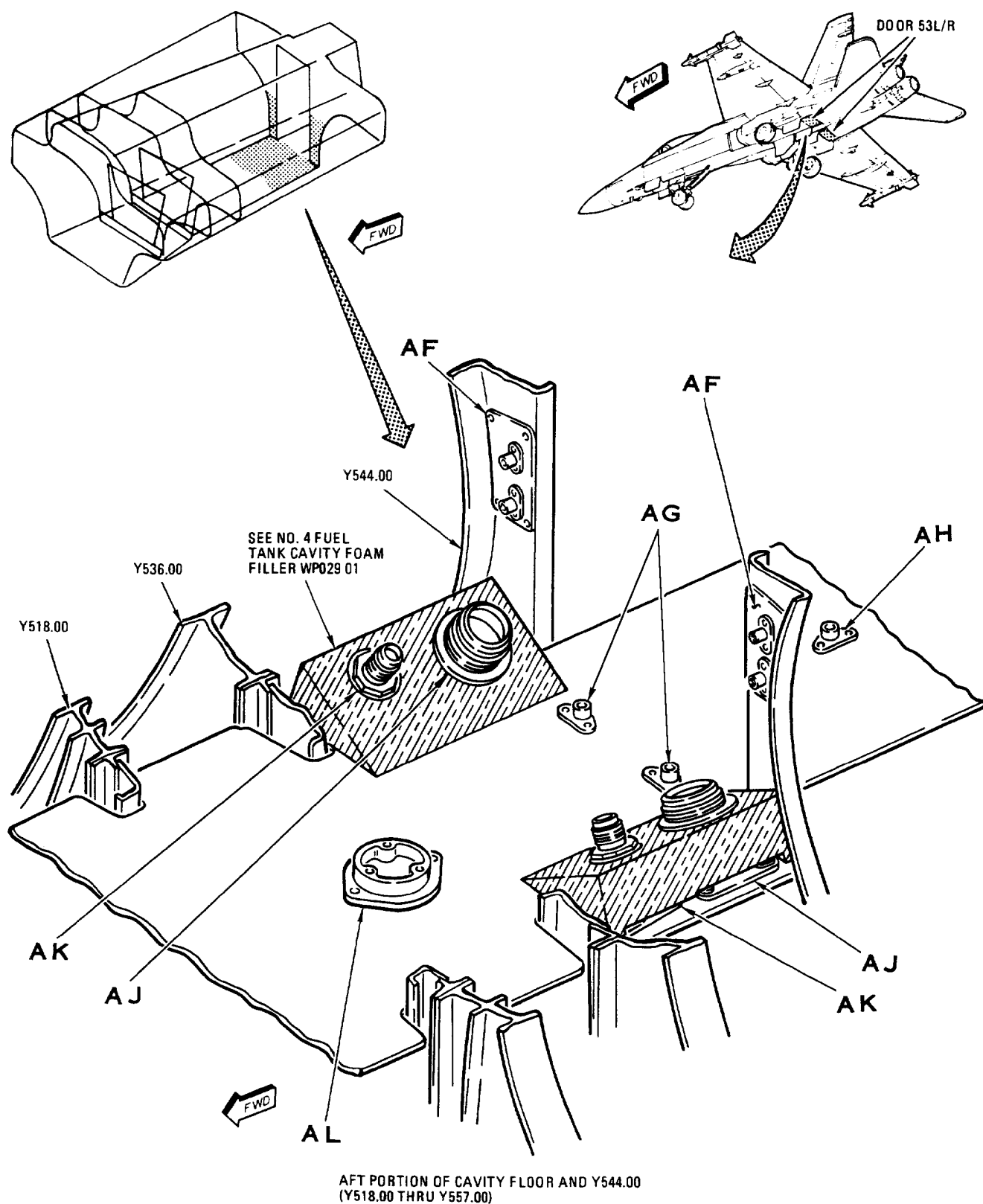


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 15)

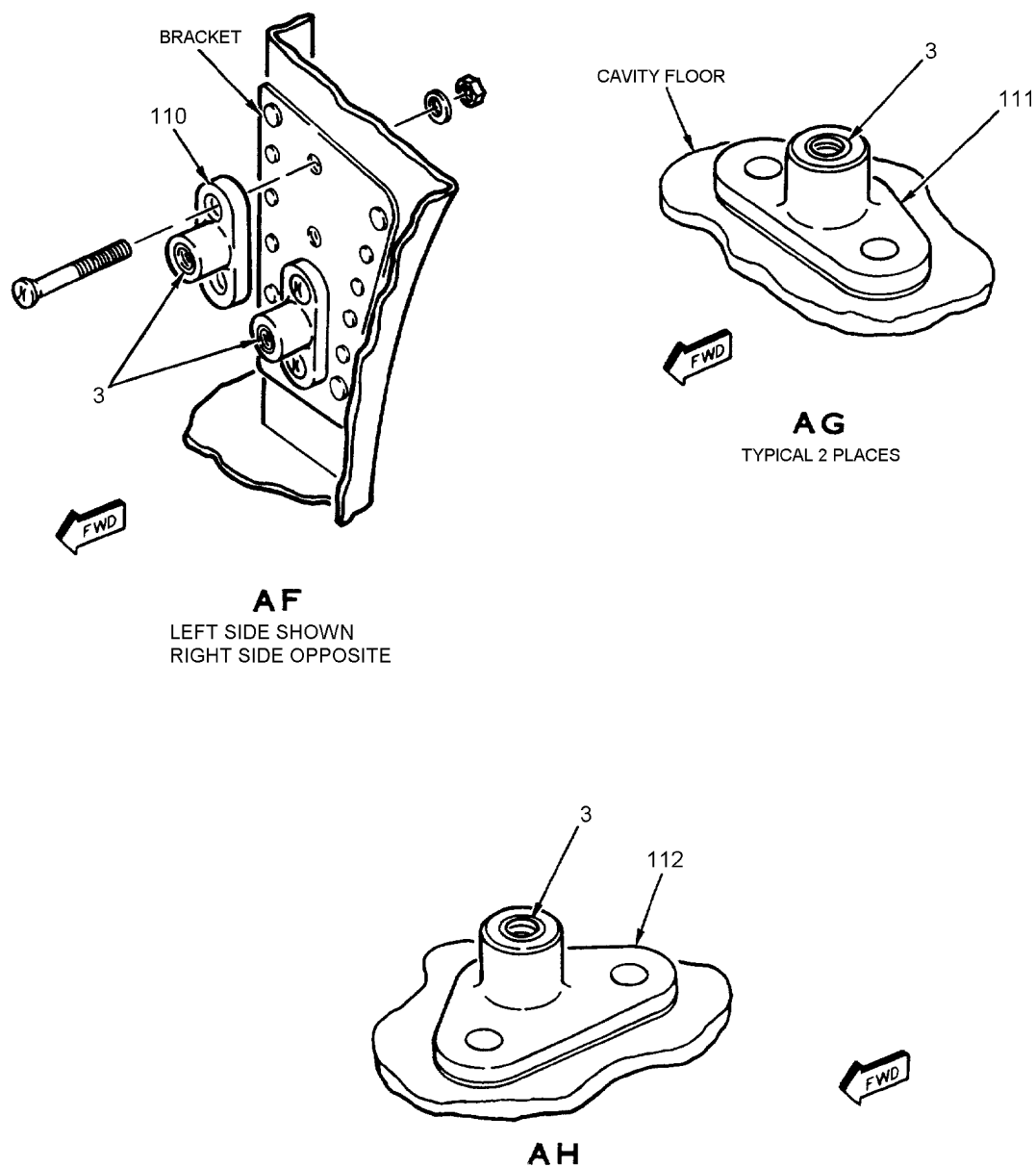
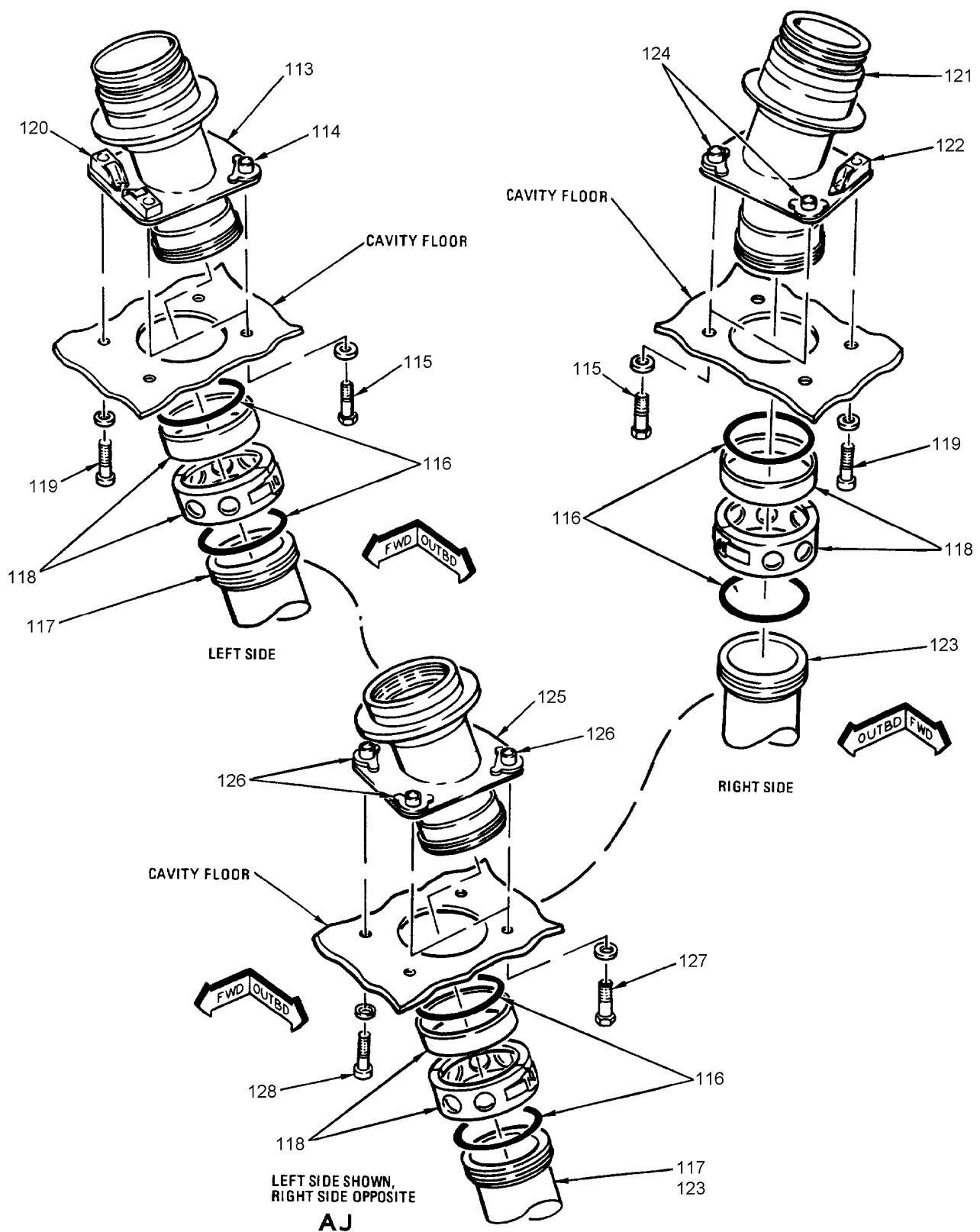


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 16)



04300117

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 17)

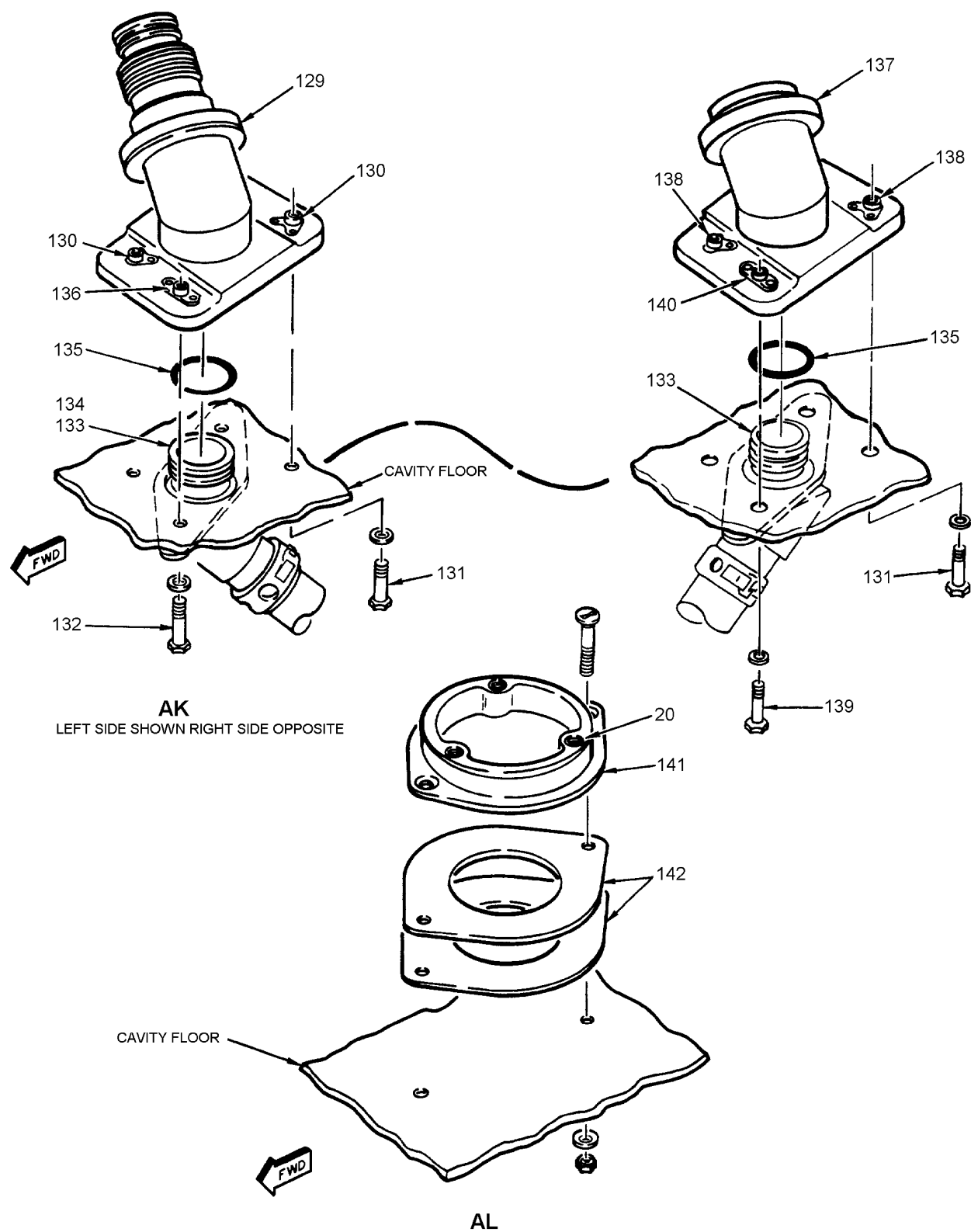


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 18)

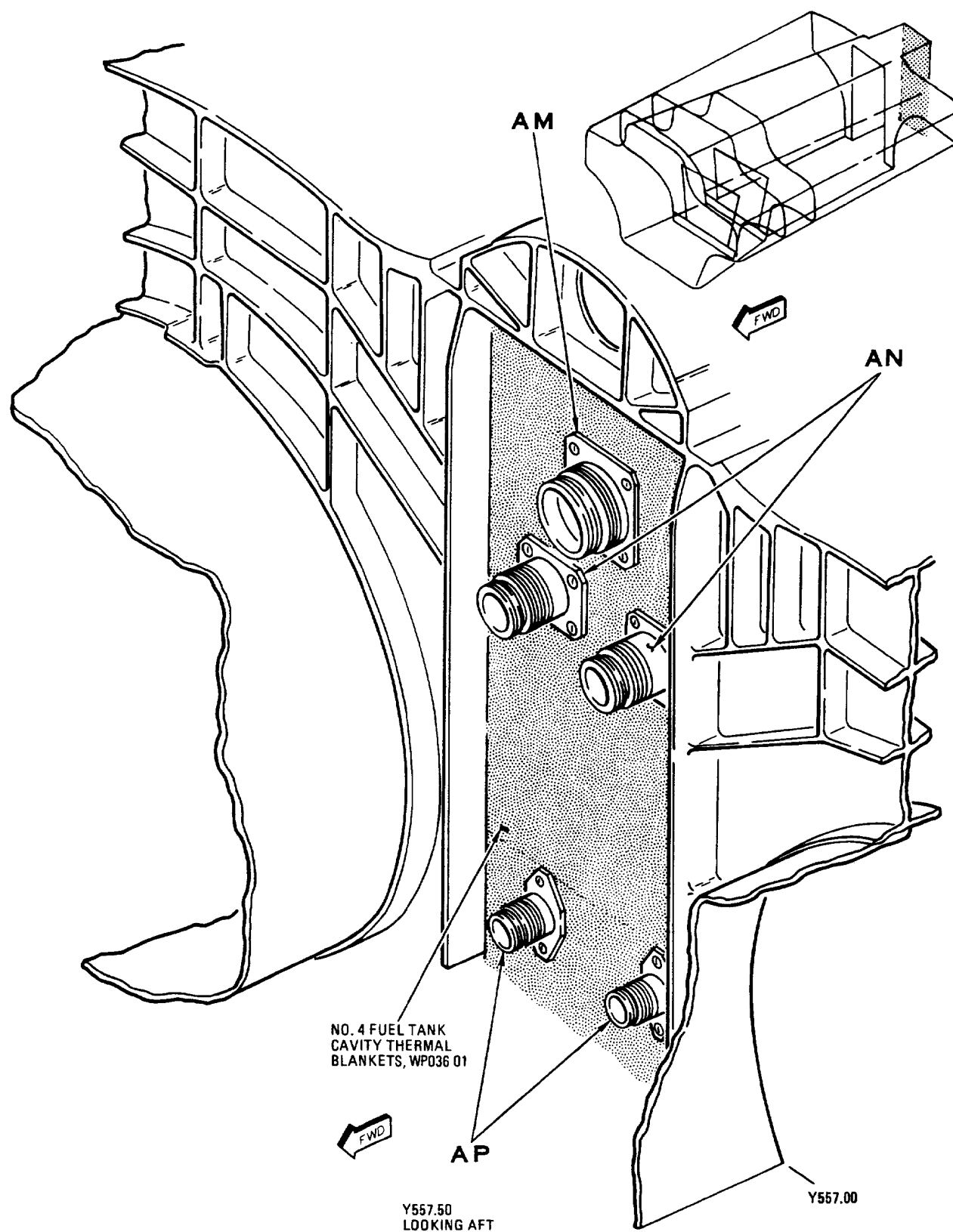


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 19)

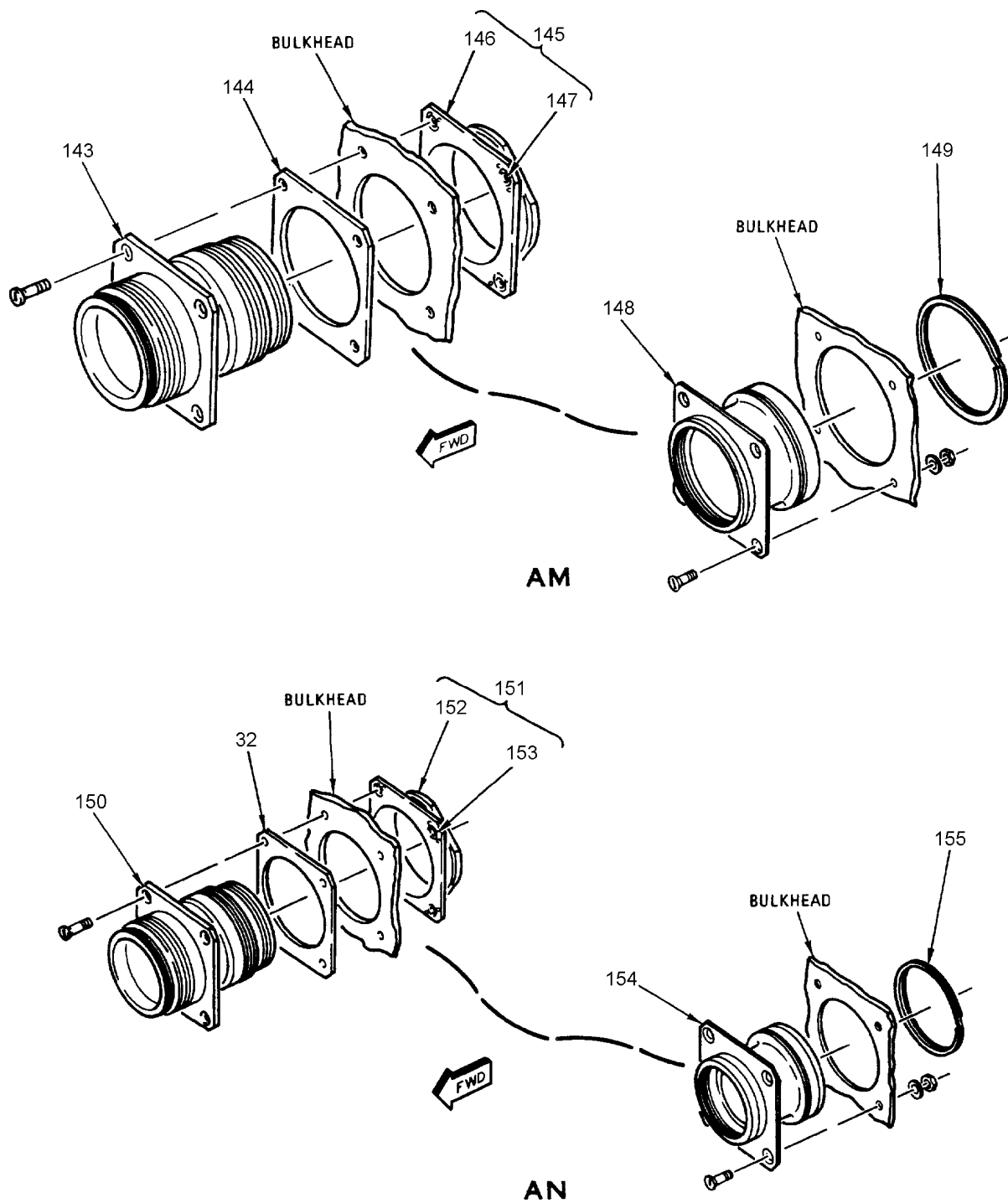


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 20)

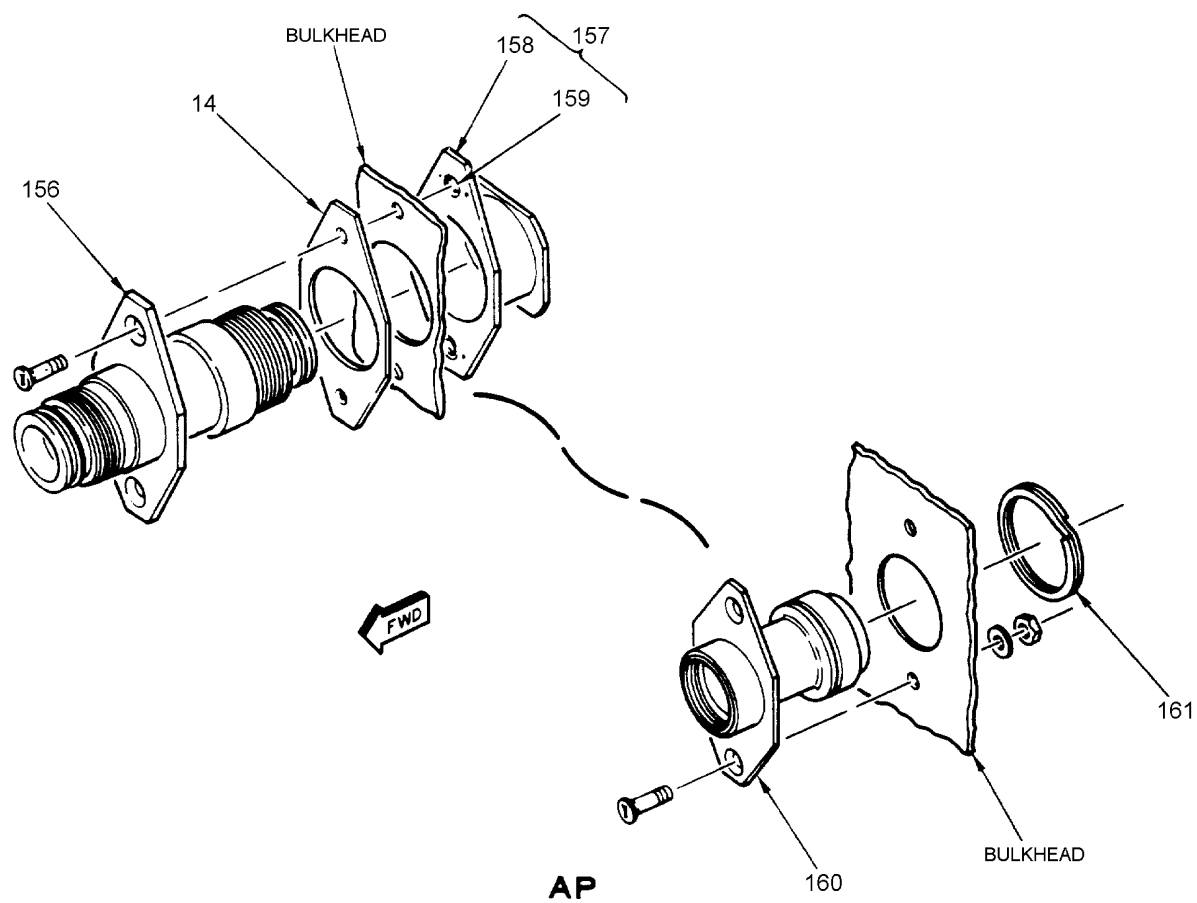
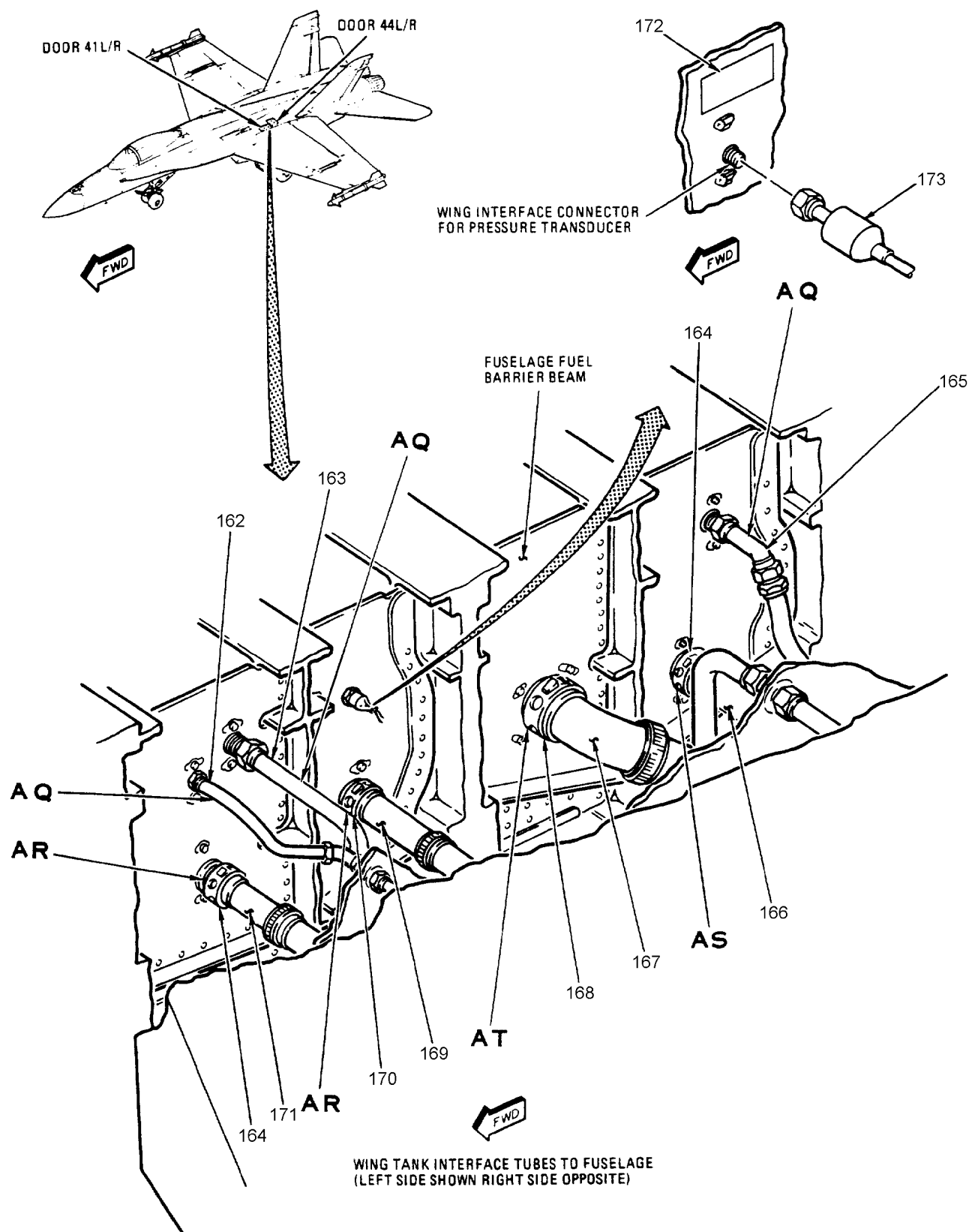


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 21)



04300122

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 22)

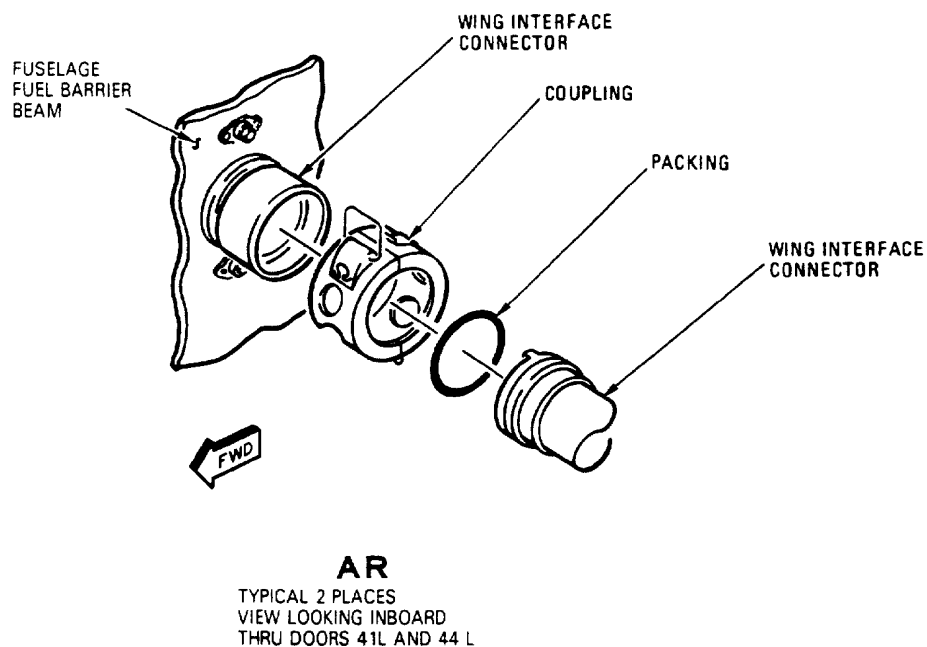
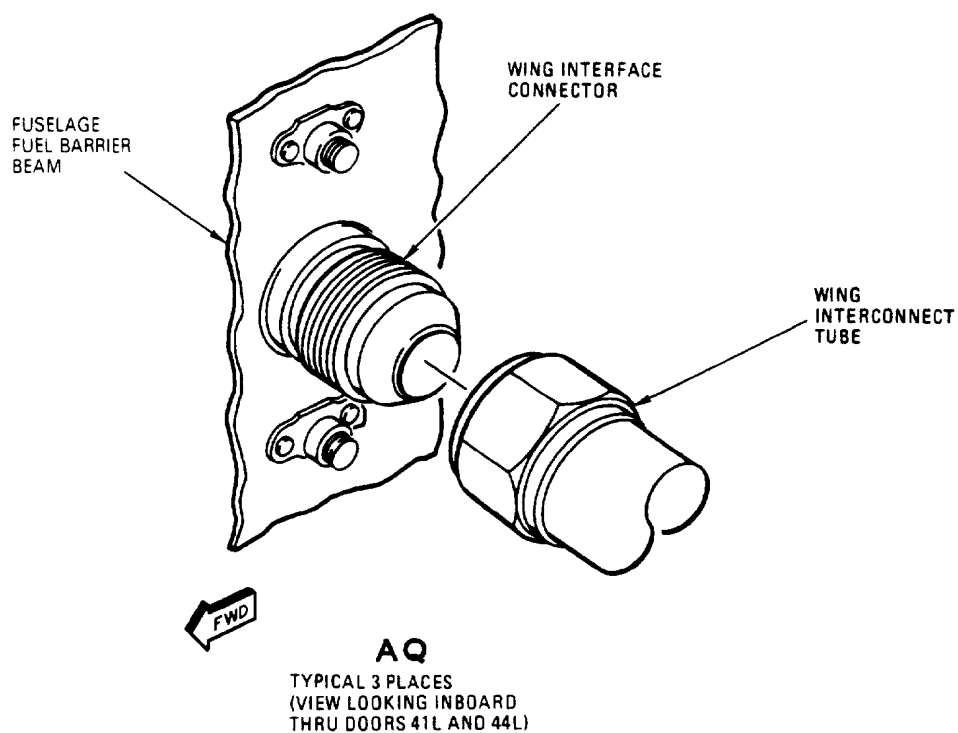


Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 23)

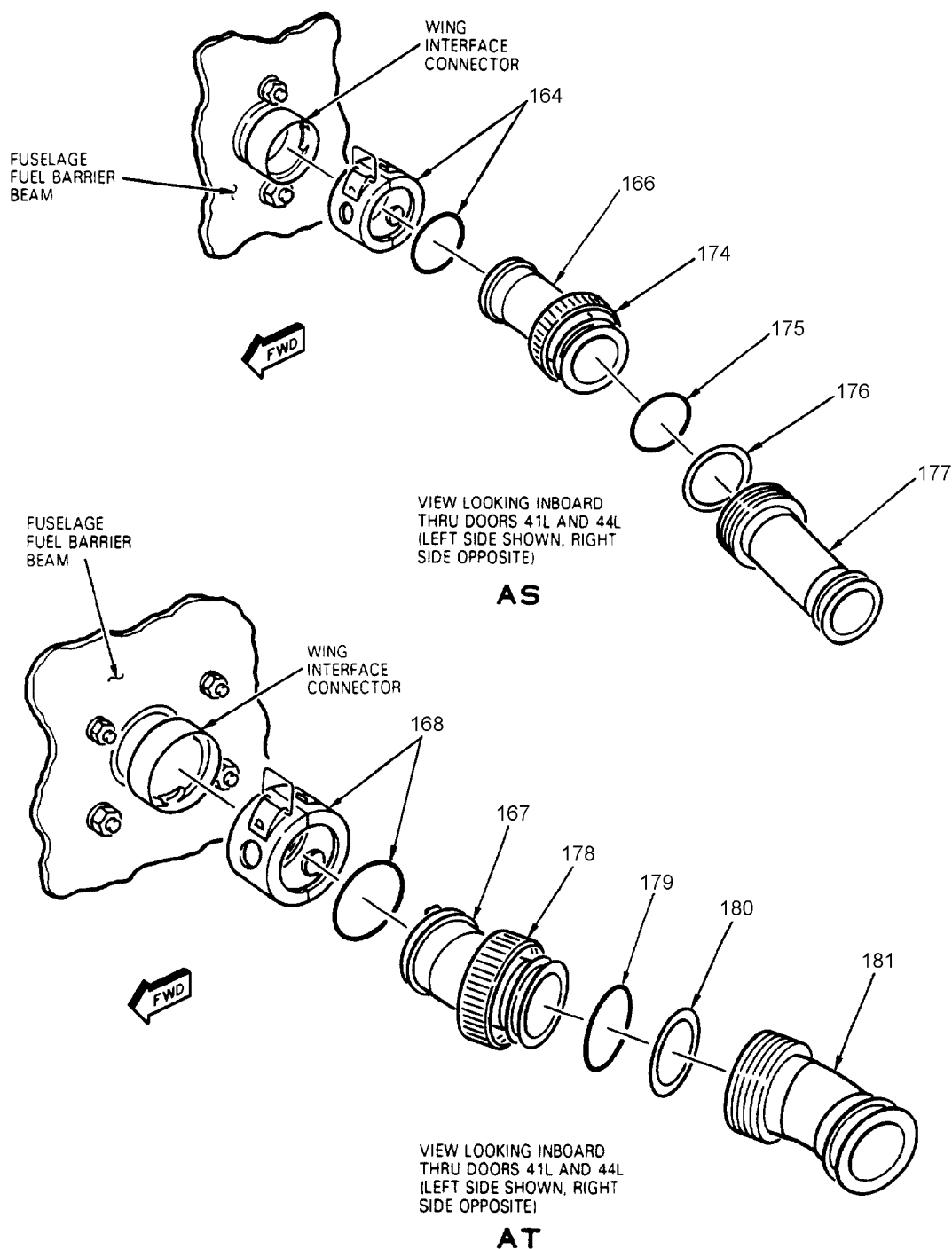
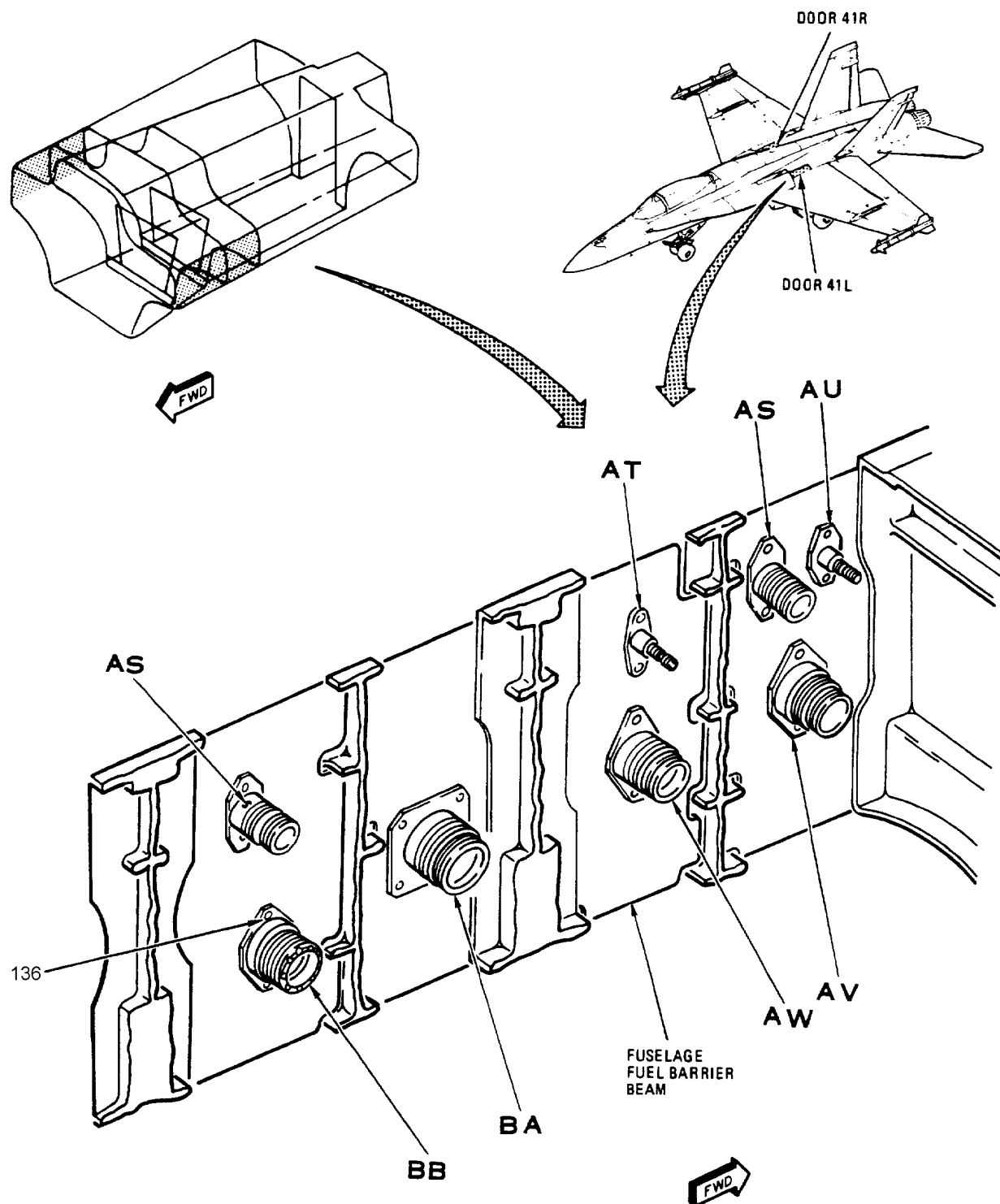


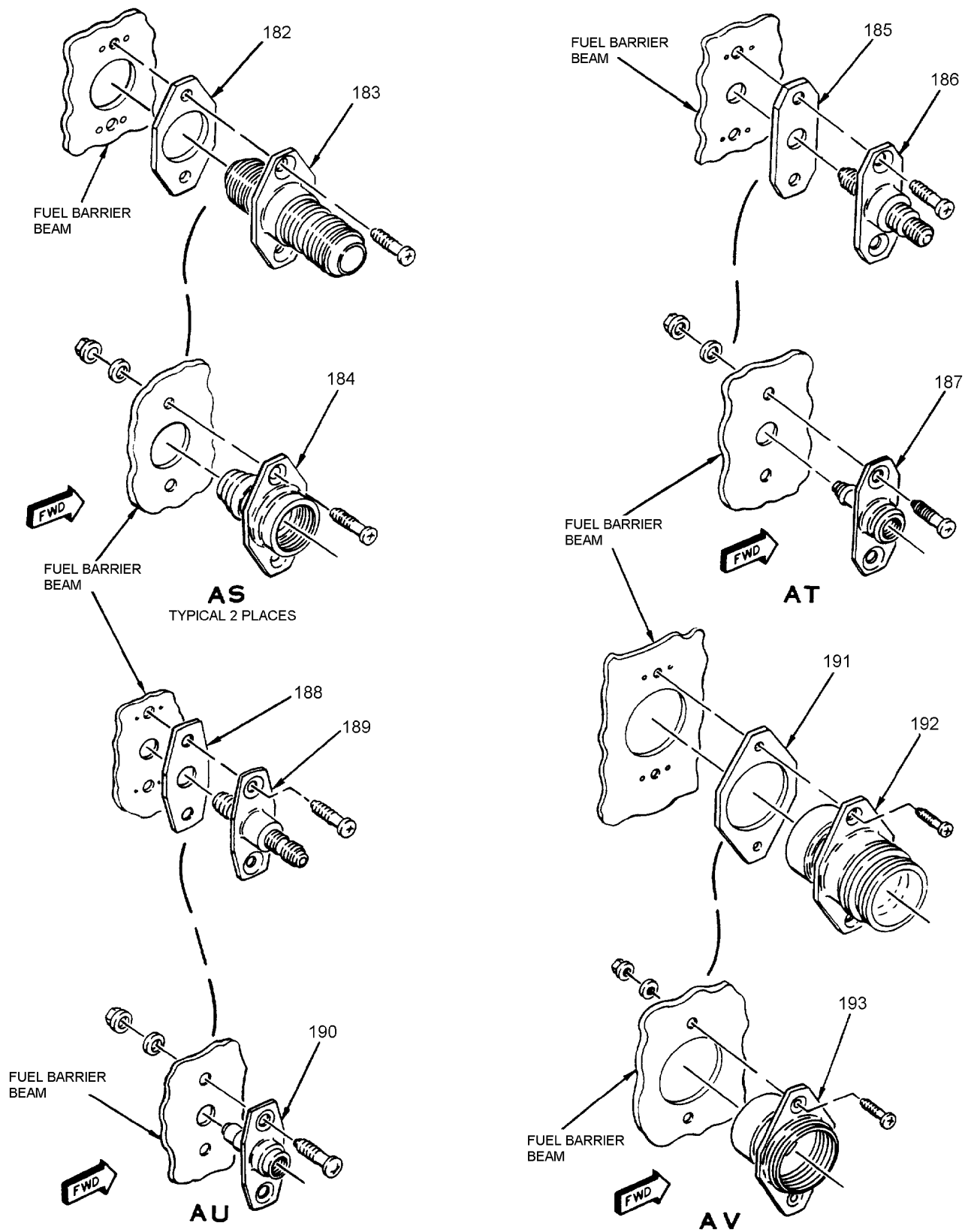
Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 24)



WING INTERFACE CONNECTORS
(LOOKING OUTBOARD AT LH SIDE, RIGHT SIDE OPPOSITE)

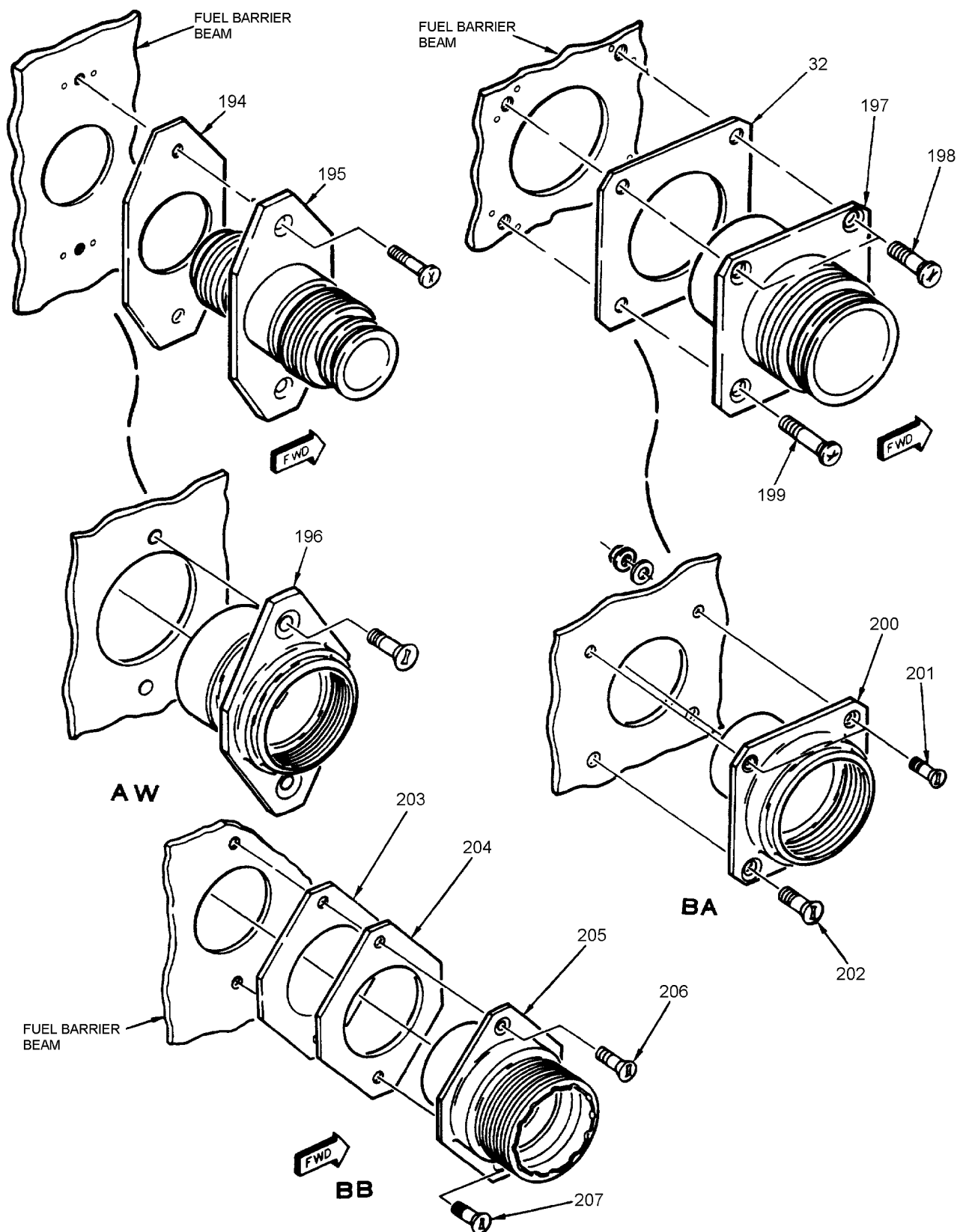
04300125

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 25)



04300126

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 26)



04300127

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 5 6 7			
		NO. 4 FUEL TANK CAVITY BULKHEAD			
		FITTINGS AND SUPPORTS			
1	74A586437-2003	. ADAPTER, CONDUIT - ELECT JUNCTION	1		PAOZZ
		BOX, FUEL SYSTEM (76301)			
	NAS663V4HT	. SCREW (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
	NAS1291C3M	. NUT (AP)	3		PAOZZ
2	74A586292-1041	. SUPPORT - COMPONENT, TANK FUEL	12		XBOOO
		SYSTEM (76301) (SUPERSEDES			
		74A586292-101 1)			
	MS20426DD6 #	. RIVET (AP)	2		-
3	MS21209F4-15	. INSERT	AR		PAOZZ
4	74A586355-1005	. SPACER, BHD CONNECTOR TO FUEL TANK,	1		XBOOO
		2.50 DIA LINE, Y453 (76301) (SUPERSEDES			
		74A586355-1003)			
5	74A586355-2005	. SPACER (76301)	1		XAOZZ
6	MS21075L4	. NUT, PLATE	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
7	74A586631-2013	. GASKET, PAPER - BKD CONN IN FUEL	1		PAOZZ
		SYSTEM (76301)			
8	74A586349-2001	. CONNECTOR, TUBE, BULKHEAD -	1		XBOZZ
		PROTRUDING, SYSTEM CHECK,			
		Y453 (76301)			
9	NAS673V8	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 9)	1		PAOZZ
10	NAS674V8	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 10)	3		PAOZZ
11	74A586359-1001 @	. SPACER - BHD CONN TO FUEL TK, SCAV,	2	A	XBOOO
		1.00 DIA LINE, Y453 (76301)			
12	74A586359-2001	. SPACER (76301)	2	A	XAOZZ
13	MS21075L4	. NUT, PLATE	2	A	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
14	74A586631-2001 @	. GASKET, PAPER - BKD CONN IN FUEL	4	A	PAOZZ
		SYSTEM (76301)			
15	74A586353-2001 @	. CONNECTOR, TUBE, BULKHEAD -	2	A	XBOZZ
		PROTRUDING, VENT TANK FUEL			
		RCVY, Y557.500 (76301) (USE UNTIL			
		EXHAUSTED)			
	NAS674V8	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
16	D-RST156CD-M9 +	. RING, RETAINING (80756) (MCDONNELL	2		PAOZZ
		SPEC 9M857-156) (REPLACES			
		RST156CD-M9)			
17	74A586429-2165 +	. SPACER (76301)	2	AA	XBOZZ
18	74A585723-2001 +	. CONNECTOR, TUBE, BULKHEAD -	2		PAOZZ
		NONPROTRUDING, 1.00 DIA,			
		Y453.0 (76301)			
	NAS674V11	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	NAS1291C4M	. NUT (AP)	2		PAOZZ
19	74A586456-1003	. SUPPORT BRACKET, FLOAT VALVE -	1		XBOOO
		SHUTOFF, TK4, Y453.000 (76301)			
		(SUPERSEDES 74A586456-1001)			
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS1291C4M	. NUT (AP)	4	M	PAOZZ
20	MS21209F1-20	. INSERT	AR		PAOZZ
21	74A586358-1001 @	. SPACER - BHD CONNECTOR TO FUEL TANK,	1	A	XBOOO
		1.25 DIA LINE, Y453 (76301)			
22	74A586358-2001	. SPACER (76301)	1	A	XAOZZ
23	MS21075L4	. NUT, PLATE	2	A	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 28)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
24	74A586631-2005 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					2	A	PAOZZ
			SYSTEM (76301)								
25	74A586352-2001 @	.	CONNECTOR, TUBE, BULKHEAD -	.....					1	A	XBOZZ
			PROTRUDING, MOTIVE FLOW								
			BOOST XFR, Y453 (76301)								
	NAS674V8	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
26	D-RST181CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					1		PAOZZ
			SPEC 9M857-181) (REPLACES								
			RST181CD-M9)								
27	74A586429-2163 +	.	SPACER (76301)	.....					1	R	XBOZZ
28	74A5B5722-2001 +	.	CONNECTOR, TUBE, BULKHEAD -	.....					1		PAOZZ
			NONPROTRUDING, 1.25 DIA,								
			Y453.0 (76301)								
	NAS674V13	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					2		PAOZZ
	NAS1291C4M	.	NUT (AP)	.....					2		PAOZZ
29	74A586356-1001 @	.	SPACER - BULKHEAD CONNECTOR TO FUEL	.....					2	A	XBOOO
			TANK, 2.0 LINE, Y453 (76301)								
30	74A586356-2001	.	SPACER (76301)	.....					2	A	XAOZZ
31	MS21075L4	.	NUT, PLATE (USE WITH INDEX 29)	.....					4	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
32	74A586631-201 1 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					5	A	PAOZZ
			SYSTEM (76301)								
33	74A586350-2001 @	.	CONNECTOR, TUBE, BULKHEAD -	.....					2	A	XBOZZ
			PROTRUDING, FUEL PUMP								
			OUTLET (76301)								
	NAS674V8	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
34	D-RST255CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					2		PAOZZ
			SPEC 9M857-255) (REPLACES								
			RST255CD-M9)								
35	74A585720-2001 +	.	CONNECTOR, TUBE BULKHEAD -	.....					2		PAOZZ
			NONPROTRUDING, FUEL PUMP								
			OUTLET, Y453.00 (76301)								
	NAS674V11	.	BOLT (AP)	.....					4		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
	NAS1291C4M	.	NUT (AP)	.....					4		PAOZZ
36	74A586357-1001 @	.	SPACER - BHD CONNECTOR TO FUEL TANK,	.....					2	A	XBOOO
			1.5 DIA LINE, Y453 (76301)								
37	74A586357-2001	.	SPACER (76301)	.....					2	A	XAOZZ
38	MS21075L4	.	NUT, PLATE	.....					2	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)	.....					2		-
39	74A586631-2003 @	.	GASKET, PAPER - BKD CONN IN FUEL	.....					2	A	PAOZZ
			SYSTEM (76301)								
40	74A586351-2001 @	.	CONNECTOR, TUBE, BULKHEAD -	.....					2	A	XBOZZ
			PROTRUDING, MAIN MOTIVE								
			FLOW BOOST, Y453 (76301)								
	NAS674V8	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
41	D-RST206CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL	.....					2		PAOZZ
			SPEC 9M857-206) (REPLACES								
			RST206CD-M9)								
42	74A585721-2001 +	.	CONNECTOR, TUBE, BULKHEAD -	.....					2		PAOZZ
			NONPROTRUDING, MOTIVE FLOW								
			BOOST, Y453.000 (76301)								
	NAS674V11	.	BOLT (AP)	.....					2		PAOZZ
	AN960JD416L	.	WASHER (AP)	.....					4		PAOZZ
	NAS1291C4M	.	NUT (AP)	.....					2		PAOZZ
43	74A5B6369-1001 @	.	SPACER - BHD CONN TO LH ENG FEED,	.....					1	A	XBOOO
			Y453 (76301)								
44	74A586369-2001	.	SPACER (76301)	.....					1	A	XAOZZ
45	MS21075L4	.	NUT, PLATE	.....					4	A	PAOZZ

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 29)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	MS20426AD3 #	.	RIVET (AP)						2		-
46	74A586631-2039 @	.	GASKET, PAPER - BKD CONN IN FUEL						1	A	PAOZZ
			SYSTEM (76301)								
47	74A586347-1001 @	.	CONNECTOR, TUBE, BULKHEAD -						1	A	XBOZZ
			PROTRUDING, GRAVITY INTERCONNECT, Y453 (NO. 3 FUEL TANK GRAVITY FEED CHECK VALVE RESTRICTOR) (76301) (5VAP608)								
48	NAS673V9 @	.	BOLT						1	A	PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 48)						1		PAOZZ
49	NAS674V8 @	.	BOLT						3	A	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 49)						3		PAOZZ
50	D-RST334CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL SPEC 9M857-334) (REPLACES RST334CD-M9)						1		PAOZZ
51	74A585717-2001 +	.	CONNECTOR, TUBE, BULKHEAD -						1		PAOZZ
			NONPROTRUDING, GRAVITY INTERCONNECT, Y453.00 (76301)								
52	NAS673V11 +	.	BOLT						1		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 52)						1		PAOZZ
	NAS1291C3M	.	NUT (USE WITH INDEX 52)						1		PAOZZ
53	NAS674V11 +	.	BOLT						3		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 53)						3		PAOZZ
	NAS1291C4M	.	NUT (USE WITH INDEX 53)						3		PAOZZ
54	74A586370-1003 @	.	SPACER - BHD CONN, MAIN BOOST PUMP, Y419 & Y453 (76301)						1	A	XBOOO
55	74A586370-2003	.	SPACER (76301)						1	A	XAOZZ
56	MS21075L4	.	NUT, PLATE						4	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
57	74A586631-2031 @	.	GASKET, PAPER - BKD CONN IN FUEL						4	A	PAOZZ
			SYSTEM (76301)								
58	74A586201-2003 @	.	CONNECTOR, TUBE, BULKHEAD -						1	A	XBOZZ
			PROTRUDING, PUMP FUEL, Y419.000 & Y453.000 (76301)								
	NAS674V8	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
59	D-RST287CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL SPEC 9M857-287) (REPLACES RST287CD-M9)						1		PAOZZ
60	74A585715-2001 +	.	CONNECTOR, TUBE, BULKHEAD -						1	S	PAOZZ
			NONPROTRUDING, FUEL PUMP, Y453.000 (76301)								
	74A587114-2001	.	CONNECTOR, TUBE, BULKHEAD - TURBO						1	T	XBOZZ
			FUEL PWP, Y453.000 (76301)								
	NAS674V11	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						8		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
61	74A586355-1003 @	.	SPACER, BHD CONNECTOR TO FUEL TANK, 2.50 DIA LINE, Y453 (76301)						1	A	XBOOO
62	74A586355-2003	.	SPACER (76301)						1	A	XAOZZ
63	MS21075L4	.	NUT, PLATE						4	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
64	74A586348-2001 @	.	CONNECTOR, TUBE, BULKHEAD -						1	A	PAOZZ
			PROTRUDING, LH ENG FEED, Y453 (76301) (USE UNTIL EXHAUSTED)								
	NAS674V8	.	BOLT (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
65	D-RST306CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL SPEC 9M857-306) (REPLACES RST306CD-M9)						1		PAOZZ
66	74A585718-2001 +	.	CONNECTOR, TUBE BULKHEAD -						1		PAOZZ
			NONPROTRUDING, LH ENGINE FEEL LINE, Y453.000 (76301)								
	NAS674V11	.	BOLT (AP)						4		PAOZZ

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 30)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
67	AN960JD416L	.	WASHER (AP)						8		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
	74A586490-1005	.	ADAPTER MOUNT - FUEL LINE TUBE, FUEL						2		XBOOO
			BAY FLOOR (76301) (SUPERSEDES 74A586490-1003)								
	HLT311-6-5	.	PIN-RIVET, THREADED (AP) (73197)						4	*	PAOZZ
68			(MCDONNELL SPEC ST3M758V3L5)								
	AIC-L-758V3L5	.	SEE ABOVE (06725)						4	*	PAOZZ
	SW1000-6M	.	COLLAR, PIN-RIVET, THREADED (AP) (73197).						4		PAOZZ
			(MCDONNELL SPEC ST3M526C3M)								
	74A586449-1003	.	SUPPORT, PROBE GUIDE - FUEL QUANTITY						1		XBOOO
69			(76301) (SUPERSEDES 74A586449-1001)								
	HT4025L3-4	.	SCREW, CLOSE TOLERANCE (AP) (73197)						2		PAOZZ
			(MCDONNELL SPEC ST3M454-3L4)								
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	NAS1291C3M	.	NUT (AP)						2		PAOZZ
70	74A586209-2001 @	.	CONNECTOR, TUBE, BULKHEAD -						4	A	XBOZZ
			PROTRUDING, 2.50 INCH VENT (76301)								
	NAS664V5HT @	.	SCREW (AP)						4		PAOZZ
	74A586231-1001 @	.	SPACER - BHD CONNECTOR TO VENT,.						4	A	XBOGG
			2.50 DIA, Y383 (76301)								
71	74A586231-2001	.	SPACER (76301)						4	A	XAOZZ
	MS21075L4	.	NUT, PLATE						4	A	PAOZZ
	MS20426AD3	.	RIVET (AP)						2		-
	74A585701-2001 +	.	CONNECTOR, TUBE, BULKHEAD -						4		PAOZZ
			NONPROTRUDING, 2.50 DIA, REFUEL/DEFUEL, VENT (76301)								
74	NAS664V5HT	.	SCREW (AP)						4		PAOZZ
	AN960JD416L	.	WASHER (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
	D-RST306CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.						4		PAOZZ
			SPEC 9M857-306) (REPLACES RST306CD-M9)								
75	74A586410-2001 @	.	CONNECTOR, TUBE, BULKHEAD -						2	A	XBOZZ
			PROTRUDING, CTR VENT, Y470.5 & Y488 (76301) (USE UNTIL EXHAUSTED)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
	74A586420-1001 @	.	SPACER - BHD CONNECTOR TO FUEL TANK,						2	A	XBOOO
			1.25 DIA, Y470.5 (76301)								
76	74A586420-2001	.	SPACER (76301)						2	A	XAOZZ
	MS21075L4	.	NUT, PLATE						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
	74A585749-2003 +	.	CONNECTOR, TUBE, BULKHEAD -						2	K	PAOZZ
			NONPROTRUDING 1.50 DIA, Y470.50 AND Y488.0 (76301)								
80	NAS664V3HT	.	SCREW (AP)						2		PAOZZ
	AN960JD416L	.	WASHER (AP)						2		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
	D-RST181CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL.						2		PAOZZ
			SPEC 9M857-181) (REPLACES RST181CD-M9)								
81	74A586452-1017	.	SUPPORT - DAMAGE AND DIRECTIONAL						1		XBOOO
			VALVE, TK NO. 4 (76301) (SUPERSEDES 74A586452-1001 74A586452-1005 74A586452-1011 OR 74A586452-1015)								
	MS20470AD5 #	.	RIVET (AP)						4	B	-
	HLT310-5-3	.	PIN-RIVET, THREADED (AP) (73197)						4	E*	PAOZZ
			(MCDONNELL SPEC ST3M759V08L3)								
82	AIC-L-759V08L3	.	SEE ABOVE (06725)						4	E*	PAOZZ
	HL570-5MC	.	COLLAR, PIN-RIVET, THREADED (AP) (73197).						4	E	PAOZZ
			(MCDONNELL SPEC ST3M525N08ME)								
	74A586292-1039	.	SUPPORT - COMPONENT, TANK FUEL						2		PAOZZ
			SYSTEM (76301) (SUPERSEDES 74A586292-1009)								

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 31)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	MS20426AD5 #	.	RIVET (AP)						2		-
84	MS21209F1-20	.	INSERT						2		PAOZZ
85	74A324205-2045	.	COVER (76301)						1		XBOZZ
	NAS673V3	.	BOLT (AP)						10		PAOZZ
	AN960JD10	.	WASHER (AP)						10		PAOZZ
86	74A586452-1003	.	SUPPORT - DAMAGE AND DIRECTIONAL VALVE, TK NO. 4 (76301)						2	N	XBDOD
87	74A586452-1013	.	SUPPORT, DAMAGE AND DIRECTIONAL VALVE, TK NO. 4 (76301) (SUPERSEDES 74A586452-1009)						2	G	XBDOD
88	74A586653-1003	.	SUPPORT - FUEL LINE MOUNT, Y488.00 (76301) (SUPERSEDES 74A586653-1001)						1		XBDOD
89	74A586451-2001	.	ADAPTER, TUBE - FUEL CELL DRAIN, TANK NO. 4 (76301)						1		XBOZZ
	MS20426AD5 #	.	RIVET (AP)						4		-
90	74A586429-2045	.	COVER (CAVITY DRAIN) (76301)						1		XBOZZ
	MS20426AD5 #	.	RIVET (AP)						4		-
	NAS42DD5-8	.	SPACER (AP)						4		PAOZZ
	74A586278-2001	.	ADAPTER, TUBE CAVITY DRAIN (76301) (USE WITH INDEX 90)						1		XBOZZ
91	74A586954-1005	.	TUBE ASSEMBLY - FUEL SYSTEM (LEFT SIDE) (76301)						1		PAOZZ
	74A586953-1005	.	TUBE ASSEMBLY, FUEL SYSTEM (RIGHT SIDE) (76301)						1		PAOZZ
92	MS29513-230	.	PACKING						4		PAOZZ
93	W901K40CE	.	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40C) (INCLUDES SLEEVE)						2	X*	PAOZZ
	14J12-40C	.	COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40C) (INCLUDES SLEEVE)						2	X*	PAOZZ
	W901F40CE	.	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40C) (INCLUDES SLEEVE)						2	Y	PAOZZ
94	74A585727-1001 ¶	.	CONNECTOR, TUBE BULKHEAD NONPROTRUDING - TANK 4 (76301) (LEFT SIDE)						1		PAOZZ
	74A586419-1003 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR, PROTRUDING - ENGINE FUEL SYSTEM (76301) (LEFT SIDE) (REPLACED BY 74A585727-1001)						1	Q	XBOZZ
	74A586419-1005 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR, PROTRUDING - ENGINE FUEL SYSTEM (LEFT) (76301) (REPLACED BY 74A585727-1001)						1	AB	XBOZZ
	74A585727-1002 ¶	.	CONNECTOR, TUBE BULKHEAD NONPROTRUDING - TANK 4 (76301) (RIGHT SIDE)						1		PAOZZ
	74A586419-1004 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR, PROTRUDING - ENGINE FUEL SYSTEM (RIGHT) (76301) (REPLACED BY 74A585727-1002)						1	Q	XBOZZ
	74A586419-1006 ¶	.	ADAPTER, TUBE TO FUEL BAY FLOOR, PROTRUDING - ENGINE FUEL SYSTEM (RIGHT) (76301) (REPLACED BY 74A585727-1002)						1	AB	XBOZZ
	NAS673V5	.	BOLT (AP)						4		PAOZZ
	AN960JD10	.	WASHER (AP)						4		PAOZZ
95	74A586438-1003	.	SUPPORT - FUEL LEVEL SENSOR STRUCTURE ATTACH, TK NO. 4 (76301) (SUPERSEDES 74A586438-1001)						1		XBOOO
	AIC-L-611V5-5	.	PIN-RIVET, THREADED (AP) (06725) (MCDONNELL SPEC ST3N415V08-5)						4	*	PAOZZ
	HL611-5-5	.	PIN-RIVET, THREADED (AP) (73197) (MCDONNELL SPEC ST3M415V08-5)						4	*	PAOZZ
	CR611V5-5	.	SEE ABOVE (11815)						4	*	PAOZZ

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 32)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	SW1000-5M	.						COLLAR, PIN-RIVET, THREADED (AP) (73197)	4		PAOZZ
		.						(MCDONNELL SPEC ST3M526C08M)			
	74A586651-2003	.						INSULATOR, DISK - FUEL SYSTEM, SUPPORT.	1		PAOZZ
		.						COMPONENTS (76301) (UNDER SUPPORT)			
		.						(USE WITH INDEX 95)			
	74A586651-201 1	.						INSULATOR, DISK (76301) (UNDER	1		PAOZZ
		.						74A586651-2003 DISK INSULATOR)			
		.						(USE WITH INDEX 95)			
96	MS21209F1-15	.						INSERT	2		PAOZZ
97	74A586436-1005	.						MOUNT, VALVE - FUEL SHUTOFF, MAIN,	2		XBOOO
		.						ENGINE (76301) (SUPERSEDES			
		.						74A586436-1001 AND 74A586436-1003			
	NAS663V4HT	.						SCREW (AP)	4		PAOZZ
	AN960JD10L	.						WASHER (AP)	4		PAOZZ
	MS21042L3	.						NUT (AP)	4		PAOZZ
	MS21209F4-15	.						INSERT (UNDER SIDE) (USE WITH INDEX 97)	4		PAOZZ
98	74A586449-1003	.						SUPPORT, PROBE GUIDE - FUEL QUANTITY	1		XBOOO
		.						(76301) (SUPERSEDES 74A586449-1001)			
	HT4025L3-6	.						SCREW, CLOSE TOLERANCE (AP) (73197)	2		PAOZZ
		.						(MCDONNELL SPEC ST3M454-3L6)			
	AN960JD10L	.						WASHER (AP)	2		PAOZZ
	MS21042L3	.						NUT (AP)	2		PAOZZ
99	74A586446-1005	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	1	P	XBDOD
100	74A586446-1007	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	1	P	XBDOD
101	74A586446-1007	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	1	P	XBDOD
102	74A586446-1005	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	1	P	XBDOD
103	74A586446-1017	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	2	L	XBDOD
104	74A586446-1017	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	1	L	XBDOD
	74A324040-2031	.						SPACER (76301) (USE WITH INDEX 104)	1	V	MDOZZ
		.						(UNDER TANK 4 FLOOR)			
105	74A586441-2001	.						CONNECTOR, TUBE - PROTRUDING, FUEL	1	A	XBOZZ
		.						BAY FLOOR, APU FEED (76301)			
	HT4025L4-4	.						SCREW, CLOSE TOLERANCE (AP) (73197)	2		PAOZZ
		.						(MCDONNELL SPEC ST3M454-4L4)			
	AN960JD416L	.						WASHER (AP)	2		PAOZZ
	NS21042L4	.						NUT (AP)	2		PAOZZ
106	74A586631-2059	.						GASKET, PAPER - BKD CONN IN FUEL	1		PAOZZ
		.						SYSTEM (76301)			
107	74A586864-1001	.						TUBE ASSEMBLY, METAL - APU FUEL FEED,	1	H	MGOZZ
		.						Y504 TO SHUTOFF V (76301)			
	74A586833-1003	.						TUBE ASSEMBLY, METAL - APU FUEL FEED,	1	J	MGOZZ
		.						Y504 TO SHUTOFF VALVE (76301)			
		.						(SUPERSEDES 74A586833-1001)			
108	74A585706-2003	.						CONNECTOR, TUBE, BULKHEAD -	1		PAOZZ
		.						NONPROTRUDING, .375 DIA. Y383.0			
	HT4025L4-4	.						SCREW, CLOSE TOLERANCE (AP) (73197)	2		PAOZZ
		.						(MCDONNELL SPEC ST3M454-4L4)			
	AN960JD416L	.						WASHER (AP)	2		PAOZZ
	MS21042L4	.						NUT (AP)	2		PAOZZ
109	74A586292-1031	.						SUPPORT - COMPONENT, TANK FUEL	4		XBOOO
		.						SYSTEM (76301) (SUPERSEDES			
		.						74A586292-1001)			
110	74A586446-1015	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	4		XBDOD
		.						(SUPERSEDES 74A586446-1001)			
	HT4025L3-7	.						SCREW, CLOSE TOLERANCE (AP) (73197)	2		PAOZZ
		.						(MCDONNELL SPEC ST3N454-3L7)			
	AN960JD10L	.						WASHER (AP)	2		PAOZZ
	MS21042L3	.						NUT (AP)	2		PAOZZ
111	74A586446-1019	.						SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301)	4		XBDOD
		.						(SUPERSEDES 74A586446-101 1)			
	74A586651-2013	.						INSULATOR, DISK - FUEL SYSTEM, SUPPORT.	2		PAOZZ
		.						COMPONENTS (76301) (SUPERSEDES			
		.						74A586651-201 1) (USE WITH INDEX 111)			

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 33)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
112	74A586446-1021	.	SUPPORT - TANK FUEL SYSTEM, NO. 4 (76301).....						1		XBDOD
			(SUPERSEDES 74A586446-1013)								
	74A586651-2015	.	INSULATOR, DISK - FUEL SYSTEM, SUPPORT.....						1		PAOZZ
			COMPONENTS (76301) (SUPERSEDES 74A586651-2001) (USE WITH INDEX 112)								
113	74A586418-1009 @	.	CONNECTOR, TUBE, FLOOR - PROTRUDING.....						1	A	XBOOO
			FUEL BAY, MOTIVE FLOW (76301) (LEFT SIDE)								
114	NS103597-048	.	NUT, SELF-LOCKING, PLATE (80539).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 114)								
	F10965-1-4	.	NUT, SELF-LOCKING, PLATE (72962).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 114)								
	F29339-01-4	.	NUT, SELF-LOCKING, PLATE (15653).....						1	*	PAOZZ
			(MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 114)								
	MS20426T3-7	.	RIVET (AP)						2		PAOZZ
115	NAS674V5 @	.	BOLT						2	A	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 115)						2		PAOZZ
116	M25988/1-226	.	PACKING						4		PAOZZ
117	74A586961-1009	.	TUBE ASSEMBLY, METAL - MAIN MOTIVE						1		PAOGG
			FLOW BOOST, LH Y541.1 (76301)								
	74A586961-1007	.	SEE ABOVE						1	*	PAOGG
	74A586961-1003	.	SEE ABOVE						1	*	PAOZZ
118	W901K32DE	.	COUPLING, CLAMP, GROOVED (79326).....						2	X	PAOZZ
			(MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)								
	14J12-32A	.	COUPLING, CLAMP, GROOVED (24984).....						2	X	PAOZZ
			(MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)								
	W901F32DE	.	COUPLING, CLAMP, GROOVED (79326).....						2	Y*	PAOZZ
			(MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)								
119	NAS1351C4-14 @	.	SCREW						2	A	PAOZZ
	NAS620C416	.	WASHER (USE WITH INDEX 119)						2		PAOZZ
120	MS21062L4	.	NUT, PLATE						3		PAOZZ
	MS20426T3-6	.	RIVET (AP)						2		PAOZZ
121	74A586418-101 1 @	.	CONNECTOR, TUBE, FLOOR -.....						1	A	XBOOO
			PROTRUDING, FUEL BAY, MOTIVE FLOW (76301) (RIGHT SIDE)								
122	MS21062L4	.	NUT, PLATE						2		PAOZZ
	MS20426T3-6	.	RIVET (AP)						2		PAOZZ
123	74A586955-101 1	.	TUBE ASSEMBLY, METAL - FUEL, MAIN						1		PAOGG
			MOTIVE FL BOOST, RH Y541.1 (76301)								
	74A586955-1009	.	SEE ABOVE						1	*	PAOGG
	74A586955-1005	.	SEE ABOVE						1	*	PAOGG
124	NS103597-048	.	NUT, SELF-LOCKING, PLATE (80539).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M470C4M)								
	F10965-1-4	.	NUT, SELF-LOCKING, PLATE (72962).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M470C4M)								
	F29339-01-4	.	NUT, SELF-LOCKING, PLATE (15653).....						2	*	PAOZZ
			(MCDONNELL SPEC ST3M470C4M)								
	MS20426T3-6	.	RIVET (AP)						2		PAOZZ
125	74A585726-1001 +	.	CONNECTOR, TUBE, FLOOR -.....						1		PAOOO
			NONPROTRUDING, FUEL BAY, MOTIVE FLOW, ASSY OF (76301) (LEFT SIDE)								
	74A585726-1003 +	.	CONNECTOR, TUBE, FLOOR -.....						1		PAOOO
			NONPROTRUDING, FUEL BAY, MOTIVE FLOW, ASSY OF (76301) (RIGHT SIDE)								
126	MS21062L4	.	NUT, PLATE						4		PAOZZ
	MS20426T3-6	.	RIVET (AP)						2		PAOZZ
127	NAS674V4 +	.	BOLT (TWO INBOARD).....						2		PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 127)						2		PAOZZ
128	NAS1351C4-10 +	.	SCREW (TWO OUTBOARD)						2		PAOZZ

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 34)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	NAS620C416	.	WASHER (USE WITH INDEX 128)						2		PAOZZ
129	74A586417-1001 @	.	ADAPTER, TUBE TO FUEL BAY FLOOR -						1	A	XBOOO
		.	PROTRUDING, FUEL RECIRCULATION (76301) (LEFT SIDE)								
	74A586417-1002 @	.	ADAPTER, TUBE TO FUEL BAY FLOOR -						1	A	XBOOO
		.	PROTRUDING, FUEL RECIRCULATION (76301) (RIGHT SIDE)								
130	NS103597-02	.	NUT, SELF-LOCKING, PLATE (80539)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3M470C3M)								
	F10965-1-3	.	NUT, SELF-LOCKING, PLATE (72962)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3N470C3M)								
	F29339-01-3	.	NUT, SELF-LOCKING, PLATE (15653)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3M470C3M)								
	MS20426AD3 #	.	RIVET (AP)						2		-
131	NAS673V5	.	BOLT						2		PAOZZ
	AN960JD10L	.	WASHER (USE WITH INDEX 131)						2		PAOZZ
132	NAS674V7 @	.	BOLT						2	A	PAOZZ
	AN960JD416L	.	WASHER (USE WITH INDEX 132)						2		PAOZZ
133	74A586401-2003	.	ADAPTER, TUBE - FUEL RECIRCULATION,						1	C	XBOZZ
		.	FUEL BAY FL, LH (76301)								
	74A587038-2001	.	ADAPTER, TUBE - FUEL RECIRCULATION.						1	D	XBOZZ
		.	FUEL BAY FLOOR, LH (76301)								
134	74A586427-2003	.	ADAPTER, TUBE - FUEL RECIRCULATION,						1		XBOZZ
		.	FUEL BAY FL, RH (76301)								
135	MS29S13-117	.	PACKING						2		PAOZZ
136	MS21060L4	.	NUT, PLATE						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
137	74A585725-1003 +	.	ADAPTER, TUBE TO FUEL BAY FLOOR -						1		PAOZZ
		.	NONPROTRUDING, RECIRCULATION SYS (76301) (LEFT SIDE)								
	74A585725-1001 +	.	SEE ABOVE						1	*	PAOZZ
	74A585725-1004 +	.	ADAPTER, TUBE TO FUEL BAY FLOOR -						1		PAOZZ
		.	NONPROTRUDING, RECIRCULATION SYS (76301) (RIGHT SIDE)								
	74A5857Z5-1002	.	SEE ABOVE						1	*	PAOZZ
138	NS103597-02	.	NUT, SELF-LOCKING, PLATE (80539)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3M470C3M)								
	F10965-1-3	.	NUT, SELF-LOCKING, PLATE (72962)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3M470C3M)								
	F29339-01-3	.	NUT, SELF-LOCKING, PLATE (15653)						2	*	PAOZZ
		.	(MCDONNELL SPEC ST3M470C3M)								
	MS20426AD3 #	.	RIVET (AP)						2		-
139	NAS673V5 +	.	BOLT (AP)						2		PAOZZ
140	MS21060L4	.	NUT, PLATE						2		PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
141	74A586449-1003	.	SUPPORT, PROBE GUIDE - FUEL QUANTITY						1		XBOOO
		.	(76301) (SUPERSEDES 74A586449-1001)								
	HT4025L3-6	.	SCREW, CLOSE TOLERANCE (AP) (73197)						2		PAOZZ
		.	(MCDONNELL SPEC ST3M454-3L6)								
	AN960JD10L	.	WASHER (AP)						2		PAOZZ
	MS21042L3	.	NUT (AP)						2		PAOZZ
142	74A586651-2005	.	INSULATOR, DISK - FUEL SYSTEM, SUPPORT.						2		PAOZZ
		.	COMPONENTS (76301)								
143	74A586421-2001 @	.	CONNECTOR, TUBE, BULKHEAD -						1	A	XBOZZ
		.	PROTRUDING, 3 IN. DIA, Y557.5 (76301)								
	NAS664V5HT	.	SCREW (AP)						4		PAOZZ
144	74A586631-2015 @	.	GASKET, PAPER - BKD CONN IN FUEL						1	A	PAOZZ
		.	SYSTEM (76301)								
145	74A586424-1001 @	.	SPACER - BHD CONNECTOR TO FUEL						1	A	XBOOO
		.	TANK, 3.0 DIA LINE (76301)								
146	74A586424-2001	.	SPACER (76301)						1	A	XAOZZ
147	MS21075L4	.	NUT, PLATE						4	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 35)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
148	74A585745-2001 +	.	CONNECTOR, TUBE, BULKHEAD -	NONPROTRUDING, 3.00 DIA,	Y557.500 (76301)				1		PAOZZ
	NAS664V4HT	.	SCREW (AP)						4		PAOZZ
	AN960JD416	.	WASHER (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
149	D-RST354CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL SPEC 9N857-354) (REPLACES RST354CD-N9)						1		PAOZZ
150	74A586422-2001 @	.	CONNECTOR, TUBE, BULKHEAD -	PROTRUDING, XFR DUMP, 2 IN. DIA,	Y557.500 (76301)				2	A	XBOZZ
	NAS664V3HT	.	SCREW (AP)						4		PAOZZ
151	74A586425-1001 @	.	SPACER - BHD CONNECTOR TO FUEL TANK, 2.0 DIA LINE, Y557.5 (76301)						2	A	XBOOO
152	74A586425-2001	.	SPACER (76301)						2	A	XAOZZ
153	MS21075L4	.	NUT, PLATE						4	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
154	74A585746-2001 +	.	CONNECTOR, TUBE, BULKHEAD -	NONPROTRUDING, XFR DUMP, 2.00 DIA, Y557.500 (76301)					2		PAOZZ
	NAS664V2HT	.	SCREW (AP)						4		PAOZZ
	AN960JD416	.	WASHER (AP)						4		PAOZZ
	NAS1291C4M	.	NUT (AP)						4		PAOZZ
155	D-RST255CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL SPEC 9M857-255) (REPLACES RST255CD-M9)						1		PAOZZ
156	74A586423-2001 @	.	CONNECTOR, TUBE, BULKHEAD -	PROTRUDING, VENT TANK FUEL RCVY, Y557.500 (76301)					2	A	XBOZZ
	NAS664V4HT	.	SCREW (AP)						2		XBOZZ
157	74A586426-1001 @	.	SPACER - BHD CONNECTOR TO FUEL TANK, 1.0 DIA LINE Y557.5 (76301)						2	A	XBOOO
158	74A586426-2001	.	SPACER (76301)						2	A	XAOZZ
159	MS21075L4	.	NUT, PLATE						2	A	PAOZZ
	MS20426AD3 #	.	RIVET (AP)						2		-
160	74A585724-2001 +	.	CONNECTOR, TUBE, BULKHEAD -	NONPROTRUDING, 1.00 DIA, Y453.00 & Y557.50					2		PAOZZ
	NAS664V3HT	.	SCREW (AP)						2		PAOZZ
	AN960JD416	.	WASHER (AP)						2		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
161	D-RST156CD-M9 +	.	RING, RETAINING (80756) (MCDONNELL SPEC 9M857-156) (REPLACES RST156CD-M9)						2		PAOZZ
162	74A583165-1003	.	TUBE ASSEMBLY, METAL - PRECHECK, Y481.562 (76301) (SUPERSEDES 74A583165-1001)						1		MDOZZ
163	74A583166-1001	.	TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y483.098 (76301) (SUPERSEDES 74A583018-1001 & 74A583064-1001)						1		XBOZZ
164	W904K24DE	.	COUPLING, CLAMP, GROOVED (HALF) (MCDONNELL SPEC 7M765-24D-1)						4	X	PAOZZ
	14C12-24A	.	COUPLING, CLAMP, GROOVED (HALF) (MCDONNELL SPEC 7M765-24D-1)						4	X	PAOZZ
	W904F24DE	.	COUPLING, CLAMP, GROOVED (HALF) (MCDONNELL SPEC 7M550-24D-1)						4	Y*	PAOZZ
	MS29513-222	.	PACKING (USE WITH INDEX 164)						4		PAOZZ
165	74A583159-101 1	.	TUBE ASSY, METAL - HOT FUEL RECIRCULATION - FUS TO WING (76301) (L. WING) (SUPERSEDES 74A583159-1005 AND 74A583159-1009)						1		XBOZZ
	74A583159-1013	.	TUBE ASSY, METAL - HOT FUEL RECIRCULATION - FUS TO WING (76301) (R. WING) (SUPERSEDES 74A583159-1005)						1		MGOZZ

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 36)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
166	74A583062-1005	.	TUBE ASSEMBLY, METAL - GRAVITY FEED,						1		XBOZZ
			WING TO FUS, INBD (76301)								
167	74A583006-1005	.	TUBE ASSEMBLY, METAL - REFUEL/DEFUEL,						1		XBOZZ
			WING TO FUS, INBD (76301)								
168	W904K32DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326).						2	X	PAOZZ
			(MCDONNELL SPEC 7M765-32D-1)								
	14C12-32A	.	COUPLING, CLAMP, GROOVED (HALF) (24984).						2	X	PAOZZ
			(MCDONNELL SPEC 7M765-32D-1)								
	W904F32DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326).						2	Y*	PAOZZ
			(MCDONNELL SPEC 7M550-32D-1)								
	MS29513-226	.	PACKING (USE WITH INDEX 168).						2		PAOZZ
169	74A583007-1005	.	ADAPTER - TUBE, FUEL TRANSFER, WING TO.						1		XBOZZ
			FUSELAGE, INBD (76301)								
170	W904K20DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326).						2	X	PAOZZ
			(MCDONNELL SPEC 7M765-20D-1)								
	14C12-20A	.	COUPLING, CLAMP, GROOVED (HALF) (24984).						2	X	PAOZZ
			(MCDONNELL SPEC 7M765-20D-1)								
	W904F20DE	.	COUPLING, CLAMP, GROOVED (HALF) (79326).						2	Y*	PAOZZ
			(MCDONNELL SPEC 7M550-20D-1)								
	MS29513-218	.	PACKING (USE WITH INDEX 170).						2		PAOZZ
171	74A583004-2007	.	ADAPTER - TUBE, INBD WING TO.						1		XBOZZ
			FUSE (76301)								
172	74A586555-2049	.	PLATE, IDENTIFICATION (76301) (LEFT WING).						1		MDOZZ
			(SUPERSEDES 74A586555-2021 & 74A586555-2025)								
	74A586555-2047	.	PLATE, IDENTIFICATION (76301) (RIGHT WING).						1		MDOZZ
			(SUPERSEDES 74A586555-2019 & 74A586555-2023)								
173	BM-18-1000-100	.	TRANSDUCER, PRESSURE (34345).						1		PAOZZ
			(MCDONNELL SPEC 74B580183-141)								
			(5MTP126 OR 5MTR125)								
	BM-14-1000-100	.	SEE ABOVE (MCDONNELL SPEC						1	*	PAOZZ
			74B580183-129)								
	BM-5-1000-100	.	SEE ABOVE (MCDONNELL SPEC						1	*	PAOZZ
			74B580183-117)								
174	W700-24D-03	.	NUT, TUBE COUPLING (79326) (MCDONNELL.						1	*	PAOZZ
			SPEC ST7M170-24D								
	12N70-24A	.	SEE ABOVE (24984)						1	*	PAOZZ
175	MS29513-326	.	PACKING						1		PAOZZ
176	74A583200-2003	.	SPACER (76301)						1	W	MDOZZ
177	74A583021-1003	.	TUBE ASSEMBLY, METAL - GRAY FEED,						1		XBOZZ
			WING TO FUS, OUTBD (76301)								
178	W700-32D-03	.	NUT, TUBE, COUPLING (79326) (MCDONNELL						1		PAOZZ
			SPEC ST7M170-32D								
	12N70-32A	.	SEE ABOVE						1	*	PAOZZ
179	MS29513-330	.	PACKING						1		PAOZZ
180	74A583200-2001	.	SPACER (76301)						1	W	MDOZZ
181	74A583019-1003	.	TUBE ASSEMBLY, METAL - REFUEL/DEFUEL,						1		XBOZZ
			WING TO FUS, OUTBD (76301)								
			(SUPERSEDES 74A583019-1001)								
182	74A586631-2037 @	.	GASKET, PAPER - BKD CONN IN FUEL						4	A	PAOZZ
			SYSTEM (76301)								
183	74A586416-2001 @	.	CONNECTOR, TUBE - PROTRUDING, WING.						4	A	PAOZZ
			INTERFACE, HOT FUEL (76301)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
184	74A585758-2001 +	.	CONNECTOR, TUBE - NONPROTRUDING,						4	K	PAOZZ
			WING INTERFACE, HOT FUEL, .75 DIA (76301)								
	74A585758-2003 +	.	CONNECTOR, TUBE - NONPROTRUDING,						4	L	PAOZZ
			WING INTERFACE, HOT FUEL, .75 DIA (76301)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
185	74A586631-2043 @	.	GASKET, PAPER - BKD CONN IN FUEL						2	A	PAOZZ
			SYSTEM (76301)								

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 37)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
186	74A586415-2003 @	.	CONNECTOR, TUBE - PROTRUDING, WING.						2	A	PAOZZ
		.	INTERFACE, FUEL TANK (76301)								
	NAS664V4HT	.	SCREW (AP)						2		PAOZZ
187	74A585757-2001 +	.	CONNECTOR, TUBE - NONPROTRUDING,						2		PAOZZ
		.	WING INTERFACE, TANK PRESSURE, .25 DIA (76301)								
	NAS664V3HT	.	SCREW (AP)						2		PAOZZ
	AN960JD416	.	WASHER (AP)						2		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
188	74A586631-2035 @	.	GASKET, PAPER - BKD CONN IN FUEL						2	A	PAOZZ
		.	SYSTEM (76301)								
189	74A586408-2001 @	.	CONNECTOR, TUBE, BULKHEAD -						2	A	PAOZZ
		.	PROTRUDING, PRECHECK, WING INTERFACE (76301)								
	NAS664V6HT @	.	SCREW (AP)						2		PAOZZ
190	74A585752-2001 +	.	CONNECTOR, TUBE - NONPROTRUDING,						2		PAOZZ
		.	WING INTERFACE, PRECHECK, .25 DIA (76301)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
	AN960JD416	.	WASHER (AP)						2		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
191	74A586631-2051 @	.	GASKET, PAPER - BKD CONN IN FUEL						1	A	PAOZZ
		.	SYSTEM (76301)								
192	74A586411-2003 @	.	CONNECTOR, TUBE - PROTRUDING, VENT,						2	A	XBOZZ
		.	WING INTERFACE (76301)								
	NAS664V6HT @	.	SCREW (AP)						2		PAOZZ
193	74A585753-2001 +	.	CONNECTOR, TUBE, VENT -						2	K	XBOZZ
		.	NONPROTRUDING INTERFACE, 1.500 DIA (76301)								
	74A585753-2003 +	.	CONNECTOR, TUBE, VENT -						2	L	XBOZZ
		.	NONPROTRUDING INTERFACE, 1.500 DIA (76301)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
	AN960JD416	.	WASHER (AP)						2		PAOZZ
	NAS1291C4M	.	NUT (AP)						2		PAOZZ
194	74A586631-2053 @	.	GASKET, PAPER - BKD CONN IN FUEL						2	A	PAOZZ
		.	SYSTEM (76301)								
	NAS664V6HT	.	SCREW (AP)						2		PAOZZ
195	74A586412-2003 @	.	CONNECTOR, TUBE, BULKHEAD -						2	A	XBOZZ
		.	PROTRUDING, FUEL TRANSFER, WING INTERFACE (76301)								
	NAS664V6HT	.	SCREW (AP)						2		PAOZZ
196	74A585754-2001 +	.	CONNECTOR, TUBE, BULKHEAD -						2	K	PAOZZ
		.	NONPROTRUDING, WING INTERFACE, 1.25 DIA (76301)								
	74A585754-2003 +	.	CONNECTOR, TUBE, BULKHEAD -						1	L	PAOZZ
		.	NONPROTRUDING, WING INTERFACE, 1.25 DIA (76301)								
	NAS664V5HT	.	SCREW (AP)						2		PAOZZ
	AN960JD416	.	WASHER (AP)						2		PAOZZ
	NAS1291CM	.	NUT (AP)						2		PAOZZ
197	74A586413-2003 @	.	CONNECTOR, TUBE, BULKHEAD -						2	A	XBOZZ
		.	PROTRUDING, REFUEL, WING INTERFACE (76301)								
198	NAS664V5HT @	.	SCREW						2	A	PAOZZ
199	NAS664V4HT @	.	SCREW						2	A	PAOZZ
200	74A585755-2001 +	.	CONNECTOR, TUBE - NONPROTRUDING						2	K	PAOZZ
		.	REFUEL, WING INTERFACE, 2.00 DIA (76301)								
	74A585755-2003 +	.	CONNECTOR, TUBE - NONPROTRUDING						1	L	PAOZZ
		.	REFUEL, WING INTERFACE, 2.00 DIA (76301)								
201	NAS663V6HT +	.	SCREW						2		PAOZZ
	AN960JD10	.	WASHER (USE WITH INDEX 201)						2		PAOZZ

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 38)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
	NAS1291C3M	.						NUT (USE WITH INDEX 201)	2		PAOZZ
202	NAS664V5HT +	.						SCREW	2		PAOZZ
	AN960JD416	.						WASHER (USE WITH INDEX 202)	2		PAOZZ
	NAS1291C4M	.						NUT (USE WITH INDEX 202)	2		PAOZZ
203	74A586429-2167	.						SPACER (76301)	1	L	XBOZZ
204	74A586631-2041	.						GASKET, PAPER - BKD CONN IN FUEL	2	Z	PAOZZ
		.						SYSTEM (76301)			
205	74A586414-2003	.						CONNECTOR, TUBE, BULKHEAD -	2		XBOZZ
		.						PROTRUDING, G INTERCONNECT,			
		.						WING INTFC (76301)			
206	NAS663V5HT	.						SCREW (AP)	1		PAOZZ
207	NAS664V4HT	.						SCREW (AP)	1		PAOZZ

* ALTERNATE OR EQUIVALENT
PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT
INSTALLATION.

¶ NUTS ARE USED WITH PROTRUDING TYPE
BULKHEAD CONNECTORS. RETAINERS
ARE USED WITH NONPROTRUDING TYPE
BULKHEAD CONNECTORS. RETAINERS
AND NONPROTRUDING BULKHEAD
CONNECTORS ARE REPLACEMENT PARTS
FOR NUTS AND PROTRUDING TYPE
BULKHEAD CONNECTORS. REF WP028 00
AND WP013 02

+ ITEMS WITH THIS SYMBOL WHEN USED
TOGETHER MAY BE USED TO REPLACE
ITEMS WITH SYMBOL @. REF WP013 02

@ ITEMS WITH THIS SYMBOL WHEN REMOVED
TOGETHER MAY BE REPLACED BY ITEMS
WITH SYMBOL +. REF WP013 02

CODE	USABLE ON	MODEL
A	161353 THRU 161715	F/A-18A/B
B	161353 THRU 161704	F/A-18A/B
C	161353 THRU 161519 BEFORE F/A-18 AFC 21	F/A-18A/B
D	161520 & UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 21	F/A-18A/B
E	161705 & UP	F/A-18A/B
F	DELETED	
G	161719 & UP	F/A-18A/B
H	161353 THRU 161720	F/A-18A/B
J	161721 & UP	F/A-18A/B

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 39)

INDEX NO.	PART NUMBER	DESCRIPTION							UNITS PER ASSY	USE ON CODE	SM&R CODE
		1	2	3	4	5	6	7			
		K						161716 THRU 161741		F/A-18A/B	
		L						161742 & UP		F/A-18A/B	
		M						162437 & UP		F/A-18A/B	
		N						161353 THRU 161718		F/A-18A/B	
		P						161353 THRU 161741		F/A-18A/B	
		Q						161520 THRU 161715		F/A-18A/B	
		R						161716 THRU 161719		F/A-18A/B	
		S						161716 THRU 161761		F/A-18A/B	
		T						161924 & UP		F/A-18A/B	
		U						161353 THRU 161924		F/A-18A/B	
		V						161983 & UP, ALSO 161742 THRU 161982 BEFORE F/A-18 IAFC 017 PART 2		F/A-18A/B	
		W						162853 THRU 163145; ALSO 161353 THRU 162852 AFTER F/A-18 IAFC 073		F/A-18A/B	
		X						161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 43		F/A-18A/B	
		Y						161353 THRU 161761 BEFORE F/A-18 AFC 43		F/A-18A/B	
		Z						161353 THRU 163128		F/A-18A/B	
		AA						161720 & UP		F/A-18A/B	
		AB						161353 THRU 161519		F/A-18A/B	

Figure 1. No. 4 Fuel Tank Cavity Bulkhead Fittings and Supports (Sheet 40)

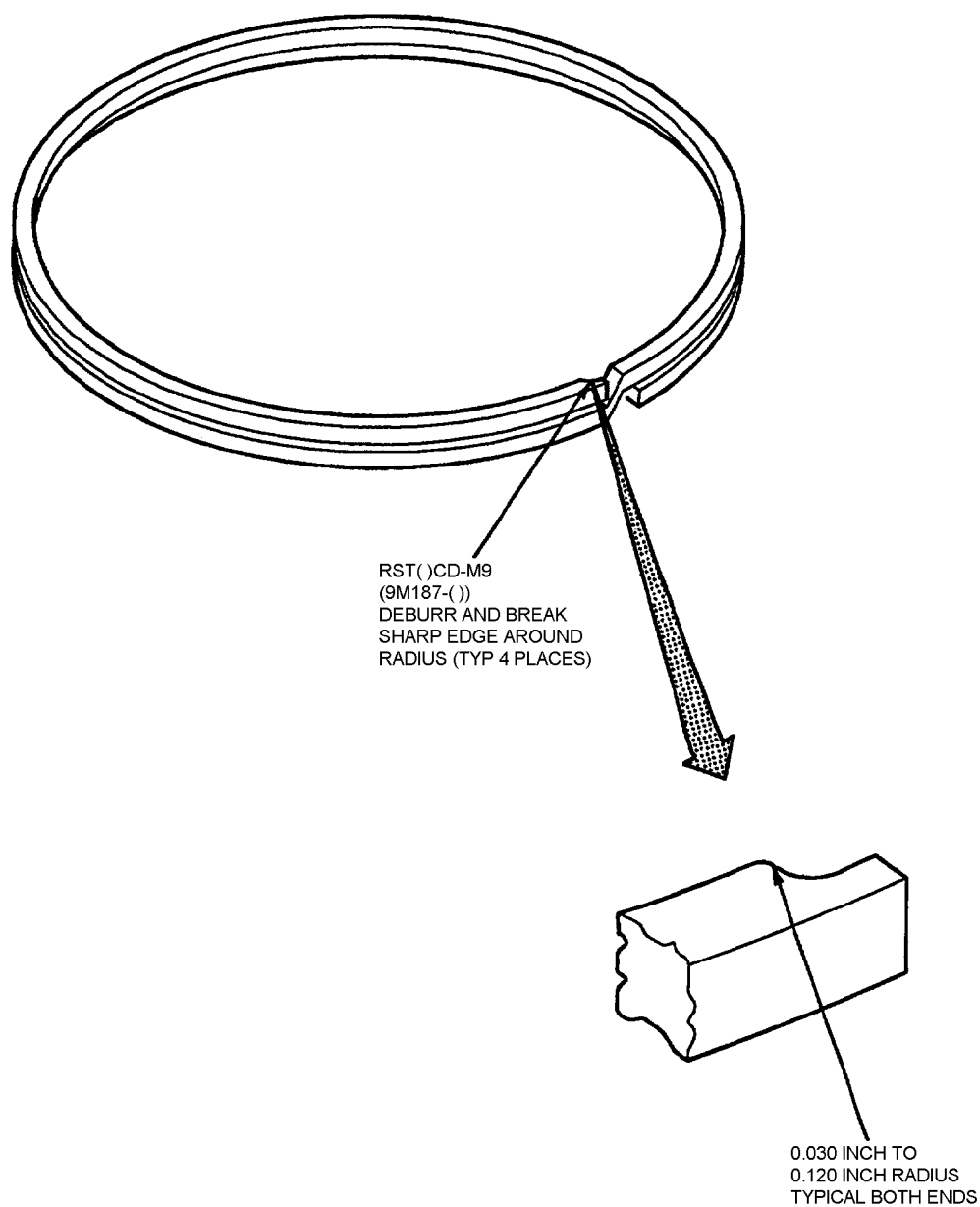


Figure 2. Retaining Ring RST()CD-M9

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

VENT TANK CAVITY BULKHEAD FITTINGS AND SUPPORTS

FUEL STORAGE SYSTEM

Reference Material

Line Maintenance Access Doors	A1-F18AC-LMM-010
Fuel System	A1-F18AC-460-300
Removal - Vent Tank	WP031 00
Installation - Vent Tank	WP032 00
Structural Hardware	NAVAIR 01-1A-8
Structure Repair - General Information	A1-F18AC-SRM-200
Sealant Preparation and Application	WP011 00
Line Maintenance Procedures	A1-F18AC-LMM-000

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Record of Applicable Technical Directives

None

Support Equipment Required

Support Equipment Required (Cont)

Part Number or Type Designation	Nomenclature	Part Number or Type Designation	Nomenclature
-	Rubber Gloves	6230-00-270-5419	Electric General Purpose Explosion Proof Lantern
-	Goggles		
-	Brush (1/4 to 1/2 Inch, Paint Type)	NF20-1	Fuel Cell Breathing and Ventilating System

Materials Required**Specification
or Part Number****Nomenclature**

-	Plastic or Wooden Scraper
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-C-85054, Type 1 (CAGE 80244)	Corrosion Prevention Compound
910X357 (CAGE 97460)	Converter
519X303 (CAGE 97460)	Primer
020X324 (CAGE 97460)	Thinner, Epoxy

1. GENERAL INSTALLATION REQUIREMENTS.

a. Make sure mating surfaces of fitting and structure are clean.

b. If fitting is riveted in position, touch-up any bare metal on fitting (except packing sealing surfaces or electrical bonding joints) with mixed epoxy primer. Mix primer per substeps below.



Converter, 910X357

12



Primer, Epoxy 519X303

13



Thinner, Epoxy Primer, 020X324

14

NOTE

Add converter to primer, never add primer to converter. Thoroughly shake primer before mixing.

Mixed primer requires a one hour "sweat-in" period before use. Observe a 24 hour pot life for mixed primer.

(1) Add one volume 910X357 converter to three volumes 519X303 primer and mix thoroughly.

(2) Thin mixed primer with one volume 020X324 thinner and mix thoroughly.

c. Fillet seal all cavity fittings that do not have gaskets (A1-F18AC-SRM-200).

d. If fitting is bolted in position, do substeps below:

(1) Clean fitting with clean cheesecloth.



Corrosion Prevention Compound, MIL-C-85054, Type 1

15

(2) Hold corrosion prevention compound 12 to 18 inches from fitting and spray a thin, uniform coat over the outside of the fitting.

(3) Wait 1/2 hour then apply a second coat of corrosion prevention compound.

2. REMOVAL.

a. Remove vent tank (WP031 00).

b. Remove part per applicable substep (see figure 1):

NOTE

Connectors on forward wall must be removed through no. 4 fuel tank cavity.

(1) Supports (3 and 9, sheet 1 and 2).

(a) Remove support, screws (5 or 6) and spacers (8), if applicable.

(2) Bracket (2, sheet 1)

(a) Remove bracket (2) attaching rivets per NAVAIR 01-1A-8.

(b) Remove bracket (2).

(3) Cover (10, sheet 4).

(a) Remove internal door EBA (A1-F18AC-LMM-010).

(b) Disconnect tube (13).

(c) Remove rivets (11) per NAVAIR 01-1A-8.

(d) Remove cover (10) and adapter (12).

3. INSTALLATION.

NOTE

Make sure corrosion prevention of fasteners and attaching parts is done during installation (A1-F18AC-LMM-000).

a. Install part per applicable substep (see figure 1):

NOTE

Connectors on forward wall must be installed through no. 4 fuel tank cavity.

(1) Supports (3 and 9, sheet 1 and 2).

(a) Install support, screws (5 or 6) and spacers (8), if applicable.

(2) Bracket (2, sheet 1).

(a) Position bracket (2) and buck rivets per NAVAIR 01-1A-8.

(3) Cover (10, sheet 4).

(a) Install cover (10), adapter (12), rivets (11) and attaching parts.

(b) Buck rivets (11) through internal door opening EBA per NAVAIR 01-1A-8.

(c) Connect tube (13).

(d) Install internal door EBA (A1-F18AC-LMM-010).

b. Install vent tank (WP032 00).

4. ILLUSTRATED PARTS BREAKDOWN.

5. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

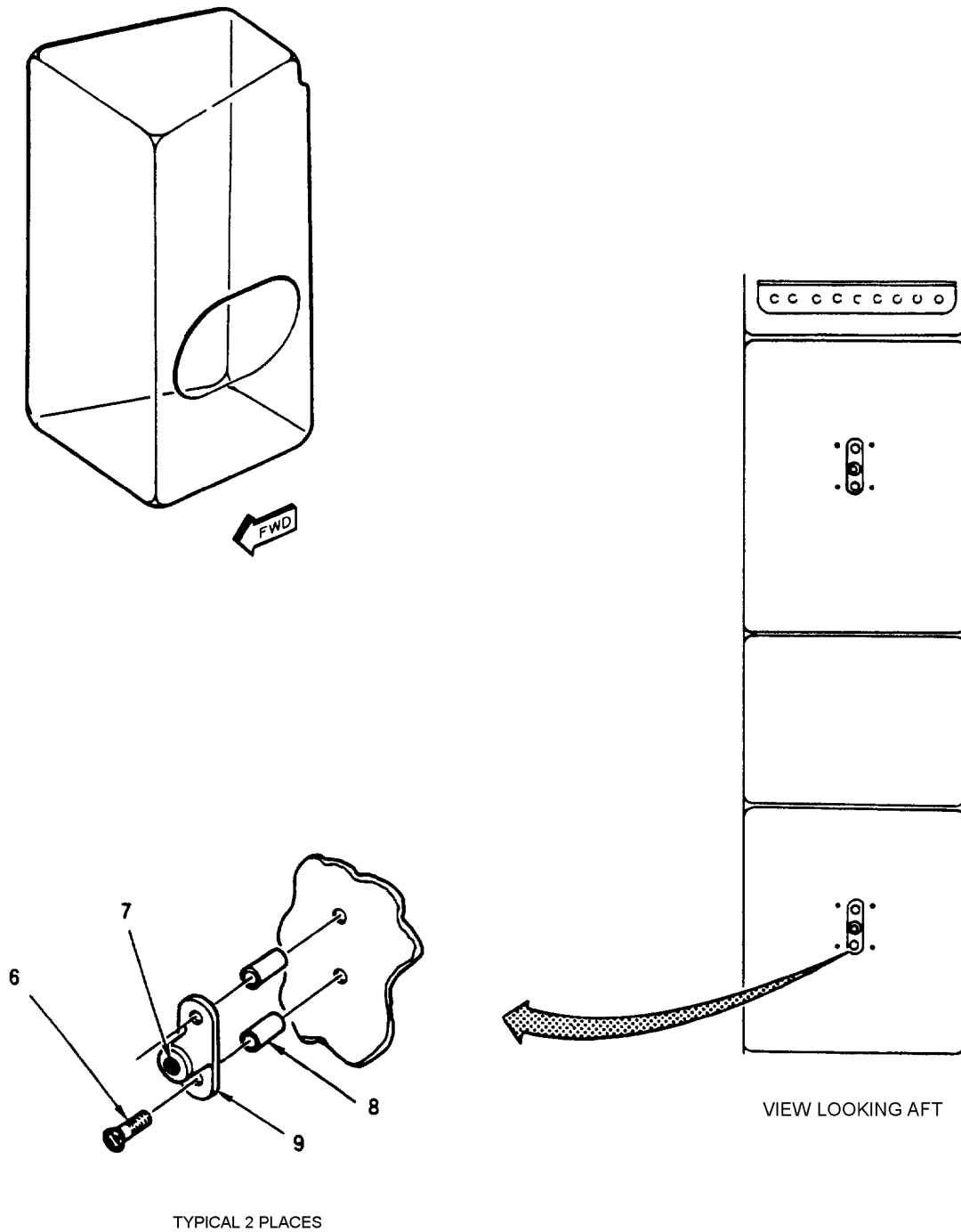
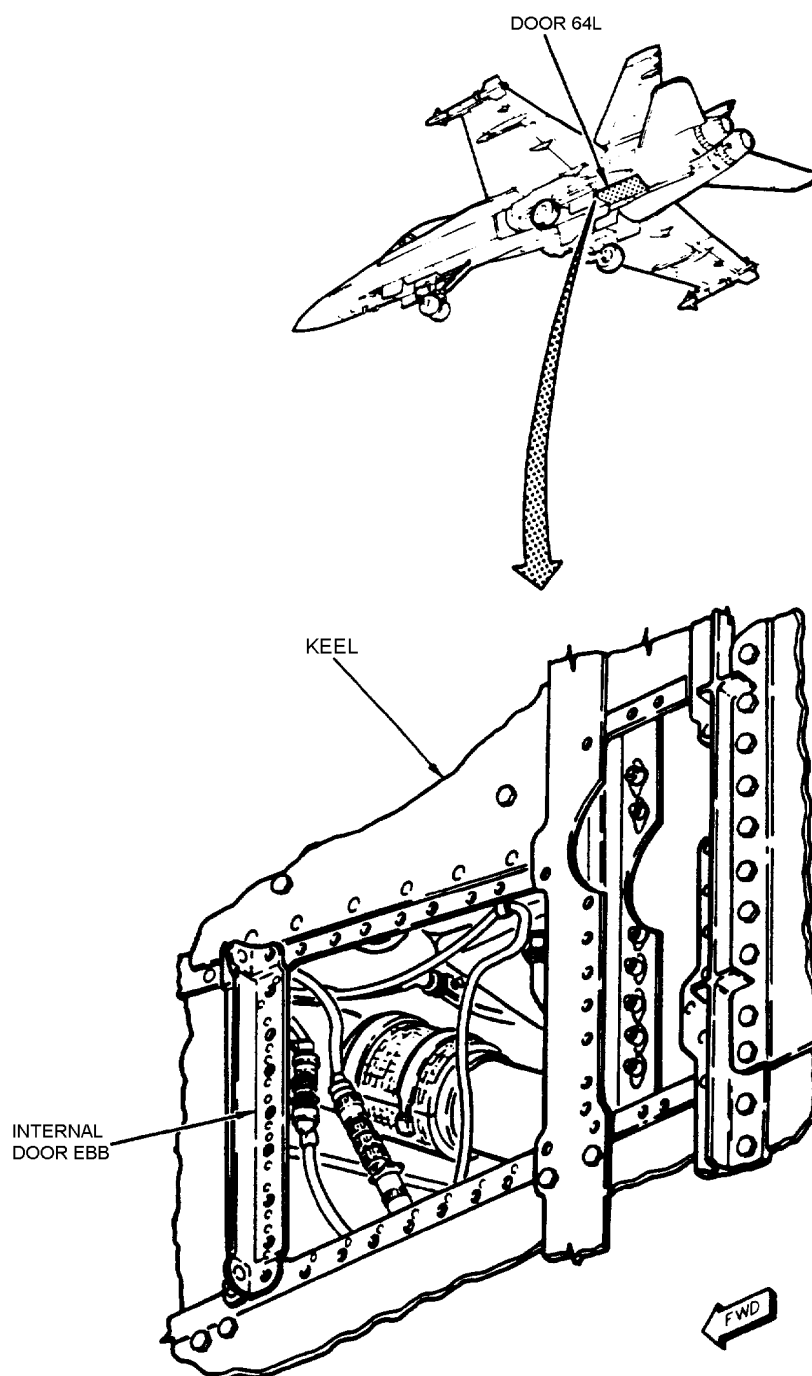
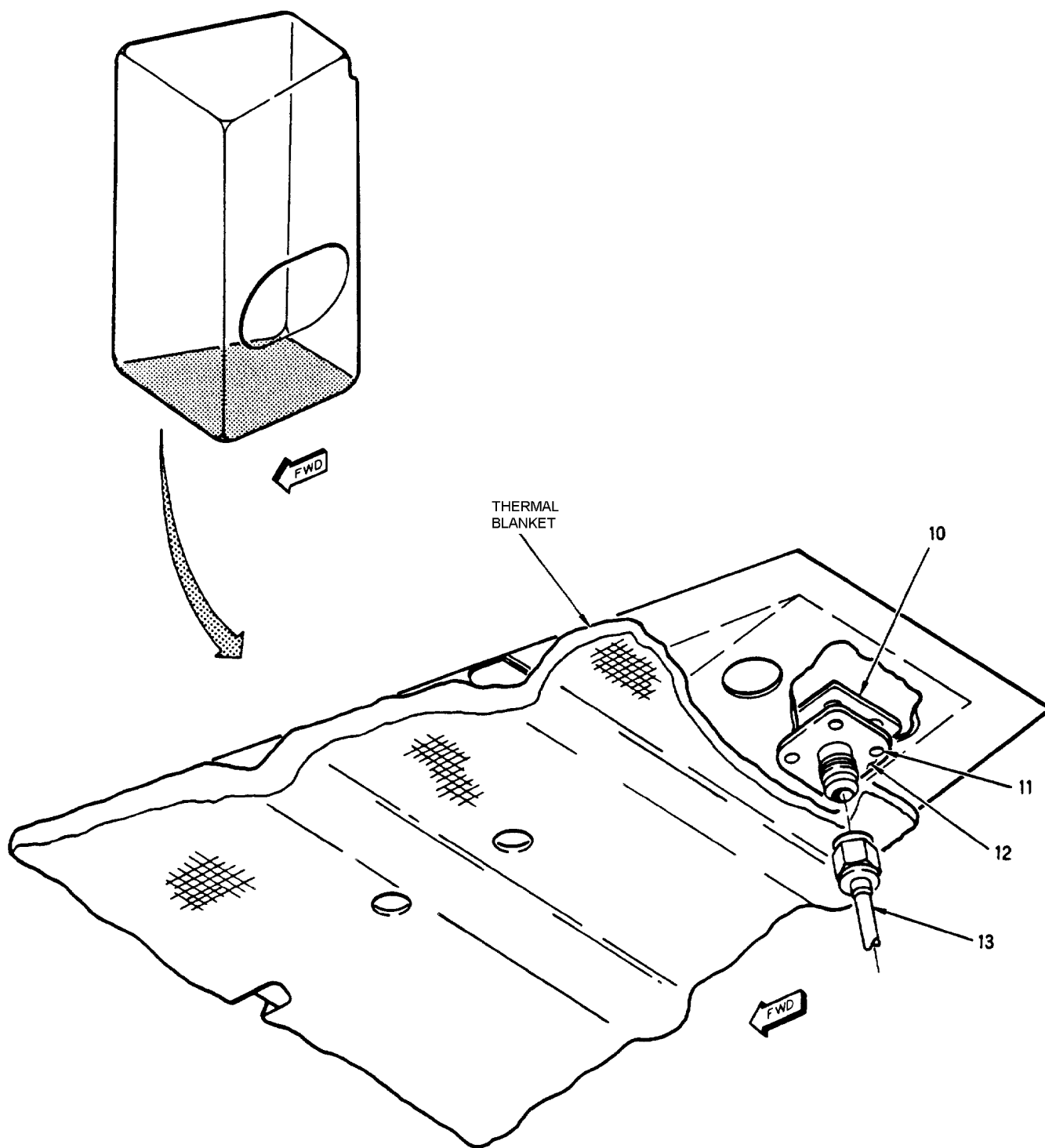


Figure 1. Vent Tank Cavity Bulkhead Fittings and Supports (Sheet 2)



4400103

Figure 1. Vent Tank Cavity Bulkhead Fittings and Supports (Sheet 3)



4400104

Figure 1. Vent Tank Cavity Bulkhead Fittings and Supports (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		VENT TANK CAVITY BULKHEAD FITTINGS			
		AND SUPPORTS			
1	74A586505-1005	. BRACKET - FUEL LINE, VENT TANK (76301)	2		XBOOO
		(SUPERSEDES 74A586505-1003)			
	MS20470AD5 #	. RIVET (AP)	2		-
2	74A586505-2005	. BRACKET (76301)	1		XAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 2)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
3	74A586292-1043	. SUPPORT - COMPONENT TANK FUEL SYSTEM. . .	1		XBOOO
		(76301) (SUPERSEDES 74A586292-1015)			
4	MS21209F4-15	. INSERT	1		PAOZZ
5	NAS663V3HT	. SCREW	2		PAOZZ
6	NAS663V7HT	. SCREW	4		PAOZZ
7	MS21209F4-15	. INSERT	2		PAOZZ
8	NAS43DD3-18	. SPACER	4		PAOZZ
9	74A586292-1043	. SUPPORT - COMPONENT TANK FUEL SYSTEM. . .	2		XBOOO
		(76301) (SUPERSEDES 74A586292-1015)			
10	74A586546-2001	. COVER, CAVITY DRAIN - VENT TANK (76301). . .	1		MDOZZ
11	MS20426AD5 #	. RIVET	4		-
	NAS42DD5-20	. SPACER (USE WITH INDEX 11)	4		PAOZZ
12	74A586278-2001	. ADAPTER, TUBE CAVITY DRAIN (76301)	1		XBOZZ
13	74A586530-1005	. TUBE ASSEMBLY, METAL - DRAIN VENT.	1	A	MGOZZ
		TANK CAVITY (76301)			
	74A586530-1007	. TUBE ASSEMBLY, METAL - DRAIN, VENT.	1	B	MGOZZ
		TANK CAVITY (76301)			
	74A586530-1009	. TUBE ASSEMBLY, METAL - DRAIN, VENT.	1	C	MGOZZ
		TANK CAVITY (76301)			
		# LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.			
		CODE USABLE ON MODEL			
		A 161353 THRU 161358 F/A-18A/B			
		B 161359 THRU 161723 F/A-18A/B			
		C 161724 & UP F/A-18A/B			

Figure 1. Vent Tank Cavity Bulkhead Fittings and Supports (Sheet 5)